

**PHASE II ENVIRONMENTAL SITE ASSESSMENT
PARCEL NOS. 051-99-0014-701 AND 051-99-0003-000
TAYLOR, MICHIGAN**

for

**DOWNRIVER COMMUNITY CONFERENCE
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15100 NORTHLINE ROAD
SOUTHGATE, MICHIGAN**

&

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**AKT Peerless Project No. 6278f-2-20
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PHASE II ENVIRONMENTAL SITE ASSESSMENT

**PARCEL NOS. 051-99-0014-701 AND 051-99-0003-000
 TAYLOR, MICHIGAN**

AKT PEERLESS PROJECT NO. 6278F-2-20

1.0 INTRODUCTION

Downriver Community Conference Brownfield Consortium (DCCBC) retained AKT Peerless Environmental & Energy Services (AKT Peerless) to conduct a Phase II Environmental Site Assessment (Phase II ESA) of a property located at the northeast corner (NEC) of Northline and Inkster roads in Taylor, Michigan (subject property). This Phase II ESA was conducted in accordance with AKT Peerless’ Proposal for a Phase II ESA (Proposal Number PF-10240), dated September 23, 2009, AKT Peerless September 28, 2009 Work Plan/Sampling Analysis Plan, and is based on American Society for Testing and Materials (ASTM) Designation E 1903-97 “*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process.*”

AKT Peerless’ Phase II ESA report documents the field activities, sampling protocols, and laboratory results. AKT Peerless’ Phase II ESA was performed for the benefit of DCCBC and the City of Taylor, whom may rely on the contents and conclusions of this report.

2.0 BACKGROUND

2.1 SITE DESCRIPTION AND PHYSICAL SETTING

The subject property is located in the southwest ¼ of Section 19 in Taylor (T.3S./R.10E.), Wayne County, Michigan. The subject property is situated north of Northline Road and east of Inkster Road and consists of one rectangular parcel and one irregularly-shaped parcel that contain approximately 41.82 acres combined. The subject property’s parcel identification numbers are 051-99-0014-701 and 051-99-0003-000. The City of Taylor is the current owner of the subject property.

For ease of reference in this report, AKT Peerless has designated each of the subject property parcels with a letter. These designations have no relevance to legally recorded data about the subject property.

Parcel	Address	Tax Identification Number	Owner of Record	Approximate Acreage
A	none	051-99-0014-701	City of Taylor	32.67 acres
B	none	051-99-0003-000	City of Taylor	9.15 acres

The subject property is currently unimproved vacant land and is located in an area of Taylor that is characterized by undeveloped, commercial, residential, and light industrial properties, and surface roadways. The subject property is not currently used for a significant or obvious purpose. Parcel A of the subject property is zoned TRO for Technology, Research, and Office usage. Parcel B of the subject property is zoned R-1B for a Single Family Residential Dwelling. Refer to Figure 1 for a topographic site location map.

2.2 SUBJECT PROPERTY HISTORY AND LAND USE

The subject property has consisted of unimproved vacant land since at least 1937. The Kenope and Sutliff Drain crosses the central portion of Parcel B of the subject property and an unnamed drain runs across Parcel A of the subject property. In the mid 1980s, the surface of Parcel B of the subject property appears to have been disturbed due to potential mining and filling activities. By at least 1993 these activities were no longer apparent, and the subject property has consisted of unimproved vacant land that is not being used for an obvious or significant purpose.

2.3 ADJACENT PROPERTY HISTORY AND LAND USE

North

The adjoining property to the north, beyond Brest Street, has consisted of unimproved wooded land since at least 1937.

East

The northern portion of the eastern adjoining property consisted of agricultural land that was used for the production of row crops from at least 1937 until approximately 1972. At that time the surface was disturbed due to apparent mining and filling activities. Since at least 1985, the property has consisted of vacant land that is not being used for an obvious or significant purpose.

The southern portion of the eastern adjoining property consisted of unimproved land used for the production of row crops from at least 1937 until approximately 1940, when it was improved with a single family residential dwelling and associated driveways and landscaped areas. The only identified use of this property since that time has been a single family residential dwelling.

Southeast

The adjoining property to the southeast, located beyond Northline Road at 26925 Northline Road, was unimproved agricultural land used for the production of row crops from at least 1937 until approximately 1972, when its surface was disturbed due to apparent mining and filling activities. By approximately 1981 these activities had ceased and the property was improved with a light industrial/manufacturing facility and associated paved and landscaped areas. Identified historical occupants of this property since that time include Gizzi Metal Erectors. This property is currently occupied by McLeod Interiors.

South

The adjoining properties to the south, located beyond Northline Road at 26975-27255 Northline Road (odd numbers only), were unimproved agricultural land used for the production of row crops from at least 1937 until approximately the mid 1980s. At that time the property consisted

of unimproved land that was not being used for an obvious or significant purpose. This property was improved with multiple light industrial/manufacturing buildings and associated paved and landscaped areas throughout the 1990s. Identified historical occupants of these properties since that time include Pro Equipment International, Lessco Services Inc, ETA Services, Livingston International Inc, Wilson International, Glenn Michaels Production, Union Transport Corporation, Garaga Great Lakes Inc, Heidelberg East, and Delta Data Printers Inc. The current occupants of these southern adjoining properties (from east to west) include Printwell, Ram Truck and Trailer Service Inc, Deluxe Data Printers, Sid Savage Auto Dealer Supply, Taylor Trade Center III, and Taylor Trade Center IV.

Southwest

The adjoining property to the southwest, located beyond the intersection of Inkster and Northline Roads, consisted of unimproved agricultural land used for the production of row crops from at least 1937 until approximately 1960. Since that time it has consisted of unimproved land that is not being used for a significant or obvious purpose.

West

The southernmost adjoining property to the west, located beyond Inkster Road at 27400 Inkster Road, was unimproved agricultural land used for the production of row crops from at least 1937 until approximately the mid 1980s, when it was improved with a light industrial/manufacturing building and associated paved and landscaped areas. Identified former occupants include Motor City Vinyl. The property is currently occupied by Advanced Career Institute.

The central portion of the adjoining property to the west, located beyond Inkster Road, consisted of unimproved agricultural land used for the production of row crops from at least 1937 until approximately the early 1960s. At that time the property was improved with a single family residential dwelling and associated paved and landscaped areas. The only identified use of this property since that time has been for a single family residential dwelling.

The northernmost portion of the adjoining property to the west has consisted of unimproved agricultural land that is used for the production of row crops since at least 1937.

Northwest

The southernmost portion of the adjoining property the northwest consisted of a residential dwelling surrounded by associated agricultural land used for the production of row crops from at least 1937 until approximately the early 1960s, when the agricultural land was improved with additional residential dwellings. Single family residential dwellings are the only identified use of this property since that time.

The southern-central adjoining property to the northwest, located at 12261 Inkster Road, consisted of agricultural land that was used for the production of row crops from at least 1937 until approximately 1985 when it was improved with a light industrial/manufacturing building and associated driveways. Identified historical occupants include Gross Ile Sheet Metal. This property is currently occupied by Thermal Craft Window Corporation.

The northern-central adjoining property to the northwest, located at 12207 Inkster Road, consisted of agricultural land that was used for the production of row crops from at least 1937 until approximately 2000, when it was improved as a maintenance yard for a parking lot maintenance business. The only identified historical occupant since that time is B & J Parking lot maintenance. The property is currently occupied by Arrow Sealcoating Sweeping & Line Stripping Inc.

The northernmost adjoining property to the west consisted of unimproved agricultural land that was used for the production of row crops from at least 1937 until approximately the mid 1950s. At that time the property was improved with several single family residential dwellings. Single family residential dwellings have been the only identified use of this property since that time.

2.4 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

2.4.1 AKT Peerless' September 1, 2009 Phase I ESA

On September 1, 2009, AKT Peerless completed a Phase I ESA of the subject property. AKT Peerless' Phase I ESA identified the following recognized environmental conditions (RECs) in association with the subject property:

- **REC-1:** AKT Peerless observed surface disturbances potentially related to mining and filling activities on Parcel B of the subject property in the 1985 aerial photograph. It was AKT Peerless' opinion that a potential existed for the subject property's soil and/or groundwater to have been adversely affected by the processes that caused the referenced surface disturbances.
- **REC-2:** AKT Peerless observed two soil mounds on the southwestern portion of Parcel A of the subject property. AKT Peerless was unable to determine the origin of these soil mounds. It was AKT Peerless' opinion that a potential existed for the subject property's soil and/or groundwater to have been adversely affected by the presence of these soil mounds.

Because RECs were identified during the performance of the Phase I ESA, further investigation and/or assessment was recommended in order to determine the nature, extent, magnitude, and materiality of the RECs associated with the subject property.

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

3.1 SCOPE OF ASSESSMENT

AKT Peerless conducted a Phase II ESA at the subject property to (1) verify the absence/presence of fill material associated with apparent historical mining activities conducted on Parcel B, (2) determine the nature and extent of fill material (if encountered) located on Parcel B, (3) conduct sampling in the areas of the former mining activities (Parcel B) and soil mounds (Parcel A), (4) conduct methane gas screening, and (5) evaluate levels of contamination

to determine if the subject property meets the definition of a “facility¹” as defined in Part 201 of Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act (PA) 451, 1994, as amended.

AKT Peerless conducted a subsurface investigation of the subject property that included: (1) the completion of seventeen test pits, (2) the advancement of ten soil borings, (3) the installation and screening of five temporary methane monitor wells, and (4) the collection of 15 soil samples. The soil samples were submitted for laboratory analyses of volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), polychlorinated bi-phenyls (PCBs), and Michigan Metals (arsenic, barium, cadmium, chromium (total), copper, lead, mercury (total), selenium, silver, and zinc).

The following table summarizes each environmental concern, the site investigation activities performed to address each environmental concern, and the laboratory parameters used to address each environmental concern.

Summary of AKT Peerless’ Scope of Investigation

Environmental Concern	Investigation Activity	Analytical Parameters
Former Mining Activities	Test Pits 1 through 17	Sampling not conducted
Fill material on Parcel B	Soil Borings 2 though 10, methane monitor wells	VOCs, PNAs, PCBs, MI Metals, methane screening
Soil mounds on Parcel A	Soil Borings 1 and 2	VOCs, PNAs, PCBs, MI Metals

3.1.1 Test Pit Activity

On October 16, 2009, under the supervision of AKT Peerless, The City of Taylor Public Works Department completed 17 test pits throughout Parcel B of the subject property in an attempt to (1) verify the absence/presence of fill material and (2) define the approximate horizontal and vertical extent of fill material.

In the areas where fill material was encountered, AKT Peerless observed the conditions to primarily consist of construction debris (brick, concrete, wood, metal, etc.). Fill material was identified throughout Parcel B of the subject property and was encountered in all of the test pit locations, except for the test pit 17 location (located on Parcel A) where native sand and clay was encountered. The fill material encountered on Parcel B extends to varying depths ranging from

¹ "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations which satisfy the requirements of Sections 20120a(1)(a) or (17) or the cleanup criteria for unrestricted residential use under Part 213 has been released, deposited, disposed of, or otherwise comes to be located. Facility does not include any area, place, or property at which response activities have been completed which satisfy the cleanup criteria for the residential category provided for in section 20120a(1)(a) and (17) or at which corrective action has been completed under Part 213 which satisfies the cleanup criteria for unrestricted residential use.

four to nine feet below ground surface (bgs). The horizontal extent of fill material appears to begin along the western property margin, extends to the north up to Brest Road, extends to the south into the heavily wooded area, and extends to the east up to the property margin (likely extending offsite to the east).

Following is a table summarizing AKT Peerless’ observations made during test pit activities. Refer to Figure 2 for a map depicting the approximate locations of test pits 1 through 17. Refer to Figure 3 for a map depicting the approximate extent of fill material based on AKT Peerless’ test pit activities.

Test Pit	Observations
TP-1	Black sand with concrete, metal, etc, extending to approximately 6 feet bgs. Slight odor.
TP-2	Black sand with concrete, metal, etc, extending to approximately 8 feet bgs.
TP-3	Black sand with concrete, metal, etc, extending to approximately 4 feet bgs.
TP-4	Black sand with concrete, metal, etc, extending to approximately 4 feet bgs.
TP-5	Black sand with concrete, metal, etc, extending to approximately 4 feet bgs.
TP-6	Black sand with concrete, metal, etc, extending to approximately 5 feet bgs. Slight odor.
TP-7	Black sand with concrete, metal, etc, extending to approximately 7 feet bgs. Slight odor.
TP-8	Black sand with concrete, metal, etc, extending to approximately 5 feet bgs.
TP-9	Black sand with concrete, metal, wood, etc, extending to approximately 5 feet bgs. Slight odor.
TP-10	Black sand with concrete, metal, etc, extending to approximately 6 feet bgs.
TP-11	Black sand with concrete, metal, wood, etc, extending to approximately 8 feet bgs. Slight odor.
TP-12	Black sand with concrete, metal, wood, etc, extending to approximately 9 feet bgs.
TP-13	Black sand with concrete, metal, etc, extending to approximately 4 feet bgs.
TP-14	Black sand with concrete, metal, etc, extending to approximately 4 feet bgs.
TP-15	Black sand with concrete, metal, etc, extending to approximately 4 feet bgs.
TP-16	Black and gray fill, mostly clay with concrete, metal, etc, extending to approximately 4 feet bgs.
TP-17	Brown fine sand, underlain by clay (native material)

3.1.2 Soil Evaluation

On October 21, 2009, AKT Peerless advanced 10 soil borings at the subject property. AKT Peerless used hydraulic drive/direct-push (Geoprobe®) sampling techniques and followed the drilling procedures outlined in ASTM publication D 6282-98 “*Standard Guide for Direct Push Soil Sampling for Environmental Site Characterizations.*” AKT Peerless collected continuous soil samples from the soil borings in four-foot intervals to the maximum depth explored of 14 bgs. AKT Peerless personnel inspected, field-screened, and logged the samples collected at each soil boring location. Refer to Figure 2 for a site map with soil boring locations. Boring logs are provided in Appendix A.

3.1.3 Groundwater Evaluation

AKT Peerless did not encounter groundwater in any of the test pit or soil boring locations completed or advanced at the subject property, except for a small (three inches) saturated seam of silt observed in the B-3 soil boring location at a depth of 9 feet bgs. AKT Peerless set a temporary groundwater monitor well but could not recover sufficient quantities of groundwater to collect a sample.

3.1.4 Methane Gas Evaluation

During soil boring activities conducted on October 21, 2009, AKT Peerless installed five temporary methane monitoring wells on Parcel A and Parcel B of the subject property in an attempt to evaluate for the absence/presence of methane gas stemming from the fill material observed during soil boring and test pit activities. Using a GEM 500 landfill gas analyzer, AKT Peerless screened the methane monitoring wells on October 22, 2009 and recorded peak methane, stable methane, oxygen, and carbon dioxide levels.

Methane was detected in all of the five methane monitoring wells. Methane concentrations did not stabilize above 1.25% methane by volume in any of the monitor wells. Peak levels of methane ranged from 0.1% to 1.5% methane by volume. Stable methane readings ranged from <0.1% to 0.6% by volume. Refer to Figure 5 for a map depicting the results of AKT Peerless' methane screening activities. Refer to Table 2 for a summary of the methane screening results. Refer to Appendix A for a copy of AKT Peerless methane monitor well logs.

Based on the methane screening activities conducted at the subject property, elevated concentrations of methane gas (peak 1.5% and stable 0.6%) were encountered in the southern portion of Parcel B (B-9M). The methane concentrations were compared to MDEQ's *Peer Review Draft RRD Operational Memorandum No. 4, Attachment 5 – Methane, Dated June 2006*, recommended screening level of 1.25%.

The degradation of the organic fill material (wood) encountered at the subject property is the likely source of the methane gas. The methane gas will continue to be produced until the source is removed or fully degraded. In addition, the methane gas will follow the path of least resistance, collect and migrate in underground receptors such as utility corridors and has the potential for off-site migration. Refer to Figure 5 for a map depicting the methane screening results. Refer to Table 2 for a summary of the methane gas screening results.

3.1.5 Deviations from the Sampling and Analysis Plan

This Phase II ESA was conducted under a U.S. Environmental Protection Agency (EPA) Brownfield Assessment Hazardous Substance Grant (BF-00E93501-0) and in accordance with AKT Peerless' September 28, 2009 Work Plan/Sampling Analysis Plan that was approved by the EPA on September 28, 2009. In completing field activities, the following deviations from the approved SAP were made:

- Significant amounts of groundwater were not encountered in any of the soil borings advanced at the subject property. Therefore, additional soil samples were collected and

submitted to an environmental laboratory where temporary groundwater monitor well locations were proposed.

3.2 QUALITY ASSURANCE/QUALITY CONTROL

To ensure the accuracy of data collected during on site activities, AKT Peerless implemented proper quality assurance/quality control (QA/QC) measures. The QA/QC procedures included, but were not limited to, (1) decontamination of sampling equipment before and between sampling events, (2) calibration of field equipment, (3) documentation of field activities, (4) sample preservation techniques, and (5) collection of QA/QC samples.

3.2.1 Decontamination of Equipment

During sample collection, AKT Peerless adhered to proper decontamination procedures. Sampling equipment was decontaminated using the following methods to minimize potential cross-contamination of soil samples:

- Steam-cleaning or washing and scrubbing the equipment with non-phosphate detergent
- Rinsing the equipment
- Air-drying the equipment

3.2.2 Calibration of Field Equipment

All field instruments were calibrated prior to first use on-site to ensure accuracy. Field instruments utilized during investigation activities at this subject property were a photoionization detector (PID) and a GEM 500 landfill gas analyzer.

During AKT Peerless' Phase II ESA, a PID was used to screen all soil samples. The PID was maintained in a calibrated condition using 100 parts per million (ppm) isobutylene span gas prior to subsurface investigations.

3.2.3 Documentation of Activities

During AKT Peerless' Phase II ESA activities, subject property conditions (i.e., soil boring locations, weather conditions, etc.) were documented. AKT Peerless visually inspected the soil samples and prepared a geologic log for each soil boring. The logs include soil characteristics such as (1) color, (2) composition (e.g., sand, clay, or gravel), (3) soil moisture and water table depth, and (4) signs of possible contamination (i.e., stained or discolored soil, odors). Soil types were classified in accordance with ASTM publication D-2488 "*Unified Soil Classification System*." All soil samples were delivered to a laboratory under chain-of-custody documentation. See Appendix A for AKT Peerless' soil boring logs. See Figure 2 for site map with soil boring locations.

3.2.4 Sample Preservation Techniques

AKT Peerless collected soil samples according to USEPA Publication SW-846, "*Test Methods for Evaluating Solid Waste*." Soil and groundwater samples were collected in laboratory-

supplied containers, stored on ice or at approximately 4 degrees Celsius, and submitted under chain-of-custody documentation.

Soil samples collected for volatile analyses were field preserved with methanol in accordance with U.S. EPA Method 5035. Soil samples collected for PNAs, PCBs, and metals analyses were stored in unpreserved, 4-ounce wide-mouth jars.

3.2.5 QA/QC Sample Collection

AKT Peerless collected QA/QC samples for soil matrices in accordance with the QA/QC sample procedures outlined in the “*Quality Assurance Project Plan (QAPP), and Brownfield Assessment Hazardous Substance Grant (BF-00E93501-0)*.”

To audit sample accuracy and assess for contamination associated with field procedures and sampling handling, AKT Peerless collected duplicate and QA/QC samples. The duplicate and QA/QC samples are summarized below:

Summary of QA/QC Samples

QA/QC Sample	Laboratory Analytical Parameter(s)	Matrix	Number of Samples
Field Duplicates	VOCs, PNAs, PCBs, Michigan Metals	Soil	2
Field Blank	VOCs, PNAs, PCBs, Michigan Metals	Water	1
Equipment Blank	VOCs, PNAs, PCBs, Michigan Metals	Water	2
Matrix Spike/ Matrix Spike Duplicate	VOCs, PNAs, PCBs, Michigan Metals	Soil	1
Trip Blank	VOCs	Water	1
Methanol Blank	VOCs	Water	1

3.3 LABORATORY ANALYSES AND METHODS

AKT Peerless submitted 15 soil samples for laboratory analyses. The following table summarizes the location, depth, matrix, and laboratory analysis for each sample.

Summary of Laboratory Analyses

Sample Name/Depth (in feet)	Matrix	VOCs	PNAs	PCBs	MI Metals
B-1 (1-2)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-2 (1-2)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-3 (2-4)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-4 (2-4)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-4 (6-8)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-5 (2-4)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Sample Name/Depth (in feet)	Matrix	VOCs	PNAs	PCBs	MI Metals
B-5 (6-8)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-6 (2-4)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-7 (1-3)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-7 (5-6)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-8 (4-6)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-9 (2-4)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-9 (4-6)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B-10 (2-4)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Note: S = Soil sample

The laboratory analyzed the samples for: (1) VOCs in accordance with USEPA Method 8260B; (2) PNAs in accordance with USEPA Method 8270C; (3) Michigan Metals in accordance with USEPA Method 6020 and 7174A, and (4) PCBs in accordance with USEPA Method 8082.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 SUBSURFACE CONDITIONS

4.1.1 Soil and Groundwater Conditions based on Published Material

Soil

According to the USDA’s *Soil Survey of Wayne County, Michigan (1977)*, soil at the subject property is classified as belonging to the Belleville-Selfridge-Tedrow loamy substratum association, which is described as nearly level to gently sloping, very poorly drained to somewhat poorly drained soils that have a coarse textured to moderately fine textured subsoil over a coarse textured to moderately fine textured substratum. As indicated on Photo Sheet 28 of the soil survey, subject property soils are described as belonging to Belleville loamy fine sand, Made land, Tedrow loamy fine sand, 0 to 2 percent slopes, Pella silt loam, Pewamo loam, and Selfridge-Pewamo complex, 0 to 2 percent slopes.

According to the Michigan Geological Survey Division’s publication, *Quaternary Geology of Southern Michigan*, soils in the area are lacustrine clay and silt. These soils are described as gray to dark reddish brown and are varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes, but also occurs in separate, small lake basins, and includes small areas of lacustrine sand and clay-rich till. Soil thickness ranges from 1-30 feet. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.

Groundwater

Typically, the water table aquifer flows toward a major drainage feature or in the same direction as the drainage basin. The Sutliff and Kenope Drain, and an unnamed drain, which flow to the southeast, cross the subject property. Therefore, AKT Peerless infers that groundwater beneath the subject property flows to the southeast, with potential influence from the Sutliff and Kenope Drain, and the unnamed drain.

4.1.2 Soil and Groundwater Conditions based on Field Observations

The geology encountered during AKT Peerless' soil boring and test pit activities conducted on Parcel B of the subject property consist of an extensive area of fill material generally consisting of concrete, brick, metal, and wood that extends to an approximate depth of 6 feet bgs that is underlain by an extensive clay formation that extends to a maximum investigated depth of 14 feet bgs. Native sand was encountered in the B-10 soil boring location on Parcel A. Refer to Appendix A for a copy of AKT Peerless' soil boring logs.

AKT Peerless encountered groundwater in one of the ten soil boring locations completed at the subject property. A three inch seam of saturated silt was encountered at the B-3 soil boring location at a depth of 9 feet bgs. A temporary groundwater monitor well was installed in an attempt to collect a groundwater sample; however, sufficient quantities of groundwater were not recovered to collect a sample. Therefore, the hydrogeology encountered during AKT Peerless' soil boring activities consists of a shallow, intermittent, groundwater bearing formation with the apparent water table beginning at approximately 9 feet bgs.

The subsurface soils at the property are consistent with the description of lacustrine clay and silt as described in the *Quaternary Geology of Southern Michigan*. See Figure 2 for a site map with soil boring locations. See Appendix A for AKT Peerless' soil boring logs.

4.2 MDEQ RELEVANT EXPOSURE PATHWAYS AND APPLICABLE CRITERIA

4.2.1 Relevant Exposure Pathways

As defined in Michigan Public Act 451 Part 201, "relevant pathway" means an exposure pathway that is reasonable and relevant because there is a reasonable potential for exposure to a hazardous substance. The analysis of potential exposure pathways is based on known existing conditions at the subject property. The following subsections identify the relevant exposure pathways based on the subject property conditions observed.

4.2.1.1 Ingestion of Groundwater Pathway

Groundwater was encountered in one of the soil borings drilled at the subject property. The groundwater appears to be hydraulically discontinuous across the subject property and have a thickness of 0.25 feet. Therefore, ingestion of groundwater at the subject property is not a relevant exposure pathway.

4.2.1.2 Groundwater Venting to Surface Water Pathway

Groundwater Venting to Surface Water is not a human exposure pathway, but rather an exposure pathway based on aquatic toxicity. The Sutliff and Kenope Drain, and an unnamed drain, which flow to the southeast, run across the subject property. Therefore, groundwater venting to surface water is a relevant exposure pathway.

4.2.1.3 Groundwater Contact Pathway

Groundwater was encountered in one of the soil borings drilled at the subject property. The groundwater appears to be associated with a laterally discontinuous saturated silt seam encountered at a depth of approximately 9 feet bgs at the B-3 soil boring location. AKT Peerless observed minimal quantities of groundwater in the soil borings and test pits completed at the subject property. Therefore, groundwater contact is not a relevant exposure pathway.

4.2.1.4 Volatilization to Indoor Air Inhalation Pathway

Volatilization to Indoor Air Inhalation is a relevant exposure pathway.

4.2.1.5 Volatilization to Ambient Air Pathway

Volatilization to Ambient Air is a relevant exposure pathway.

4.2.1.6 Particulate Inhalation Pathway

Particulate Inhalation is a relevant exposure pathway.

4.2.1.7 Direct Contact Pathway

Direct Contact is a relevant exposure pathway.

4.2.2 Applicable Criteria

Applicable criterion means a cleanup criterion for a relevant pathway. A criterion is not applicable if the exposure pathway is not relevant. Based on the exposure pathway evaluation, the applicable pathways at the subject property include:

- Groundwater to Surface Water Protection Criteria (GSIP);
- Soil Volatilization to Indoor Air Inhalation (SVIAD);
- Infinite Source Volatile Soil Inhalation (VSIC);
- Particulate Soil Inhalation (PSI), and;
- Soil Direct Contact (DC)

However, for the purpose of this assessment, AKT Peerless compared the laboratory analytical data to all Part 201 Generic Residential Cleanup Criteria (GRCC) as published by the MDEQ-RRD.

4.3 LABORATORY ANALYTICAL RESULTS

Analytical results were compared with MDEQ GRCC provided in MDEQ Remediation and Redevelopment Division’s Operational Memorandum No. 1, Tables 1 and 2.

4.3.1 Soil Analytical Results

AKT Peerless submitted 15 soil samples for laboratory analysis of VOCs, PNAs, PCBs, and Michigan Metals. The results of the laboratory analyses of the soil samples are summarized in the table below:

Summary of Soil Analytical Results

Soil Boring Location & Depth	Parameter	MDEQ Criteria Exceeded						
		DWP*	GSIP	GCP*	SVIAI	VSI	PSI	DC
B-3 (2-4)	Chromium (total)	☑*	☑	-	-	-	☑	-
	Selenium	-	☑	-	-	-	-	-
B-4 (2-4)	Mercury	-	☑	-	-	-	-	-
	Benzo(a)pyrene	-	-	-	-	-	-	☑
	Fluoranthene	-	☑	-	-	-	-	-
	Phenanthrene	-	☑	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
B-4 (6-8)	Chromium (total)	-	☑	-	-	-	-	-
B-5 (2-4)	Chromium (total)	☑*	☑	-	-	-	-	-
	Mercury	-	☑	-	-	-	-	-
	Benzo(a)pyrene	-	-	-	-	-	-	☑
B-6 (2-4)	Arsenic	☑*	-	-	-	-	-	-
	Chromium (total)	☑*	☑	-	-	-	-	-
B-7 (1-3)	Selenium	-	☑	-	-	-	-	-
B-8 (4-6) & Soil Duplicate #1	Selenium	-	☑	-	-	-	-	-
	Benzene	☑*	☑	-	☑	-	-	-
	Sec-butylbenzene	☑*	-	-	-	-	-	-
	Ethylbenzene	-	☑	-	-	-	-	-
	Naphthalene	☑*	☑	-	-	-	-	-
	1,2,4-trimethylbenzene	☑*	☑	-	-	-	-	-
	1,3,5-trimethylbenzene	☑*	☑	-	-	-	-	-
	xylenes	☑*	☑	-	-	-	-	-
B-8 (10-12)	Arsenic	☑*	-	-	-	-	-	-

Soil Boring Location & Depth	Parameter	MDEQ Criteria Exceeded						
		DWP*	GSIP	GCP*	SVIAI	VSI	PSI	DC
B-9 (2-4)	Acenaphthene	-	☑	-	-	-	-	-
	Benzo(a)pyrene	-	-	-	-	-	-	☑
	Dibenzo(a,h)anthracene	-	-	-	-	-	-	☑
	Fluoranthene	-	☑	-	-	-	-	-
	Phenanthrene	-	☑	-	-	-	-	-
	Naphthalene	-	☑	-	-	-	-	-
B-9 (4-6)	Chromium (total)	-	☑	-	-	-	-	-

*- As discussed in Section 4.2.1, Drinking Water Protection and Groundwater Contact Protection are not relevant and applicable exposure pathways.

SB-# indicates soil boring and (##) indicates sample depth in feet.

DWP – Drinking Water Protection Criteria

GSIP – Groundwater Surface Water Interface Protection Criteria

GCP – Groundwater Contact Protection Criteria

SVIAI – Soil Volatilization to Indoor Air Inhalation Criteria

VSI – Volatile Soil Inhalation Criteria

PSI – Particulate Soil Inhalation Criteria

DC – Direct Contact Criteria

PCBs were not detected in any of the soil samples above laboratory method detection limits. Michigan metals including barium, cadmium, copper, lead, silver, and zinc were not detected above MDEQ GRCC. In addition, PNAs (acenaphthylene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, (benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, and pyrene) were detected in several soil samples collected from Parcel B of the subject property in concentrations above laboratory method detection limits and below MDEQ GRCC. Further, VOCs (n-butylbenzene, tert-butylbenzene, isopropylbenzene, n-propylbenzene, toluene, and 1,2,3-trimethylbenzene) were also detected in soil samples collected from Parcel B of the subject property above laboratory method detection limits and below MDEQ GRCC.

Arsenic, chromium, benzene, sec-butylbenzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and xylenes were detected in soil samples collected from Parcel B of the subject property at concentrations above MDEQ DWP GRCC, however, as discussed in Section 4.2.1.1, this is not an applicable exposure pathway.

Based on the laboratory analytical results of the soil samples collected from Parcel B of the subject property, concentrations of chromium (total), mercury, acenaphthene, fluoranthene, phenanthrene, benzene, ethylbenzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and xylenes were detected above MDEQ Groundwater Surfacewater Interface (GSI) GRCC.

Contaminant concentrations of benzene were detected in the B-8 (4-6) soil sample location above MDEQ Volatilization to Indoor Air GRCC.

Chromium (total) was detected in the B-3 (2-4) soil sample location at a concentration above MDEQ Particulate Soil Inhalation GRCC.

Benzo(a)pyrene (B-4, B-5, and B-9) and dibenzo(a,h)anthracene (B-9) were detected above MDEQ Direct Contact GRCC from soil samples collected from the above mentioned soil boring locations.

Refer to Figure 4 for a site map with soil analytical results exceeding Applicable MDEQ GRCC. Refer to Table 1 for a summary of soil analytical results. Refer to Appendix B for a complete analytical laboratory report.

4.3.2 Groundwater Analytical Results

AKT Peerless encountered groundwater in one soil boring location. In an attempt to collect a groundwater sample, AKT Peerless supervised the installation of a temporary groundwater monitor well at the B-3 soil boring location. Insufficient quantities of groundwater were available to collect a groundwater sample for laboratory analysis. Therefore, AKT Peerless did not collect or submit any groundwater samples during this Phase II ESA.

4.3.3 Quality Assurance/Quality Control Analytical Results

QA/QC samples were collected in accordance with AKT Peerless' *"Quality Assurance Project Plan (QAPP), and Brownfield Assessment Hazardous Substance Grant (BF-00E93501-0)*. Based on a review of the analytical results of the QA/QC samples collected during the Phase II ESA, AKT Peerless did not identify any conditions that would indicate errors arising from field sampling activities or laboratory procedures. Refer to Appendix B for a complete copy of the laboratory analytical report.

5.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

5.1 SUMMARY OF ENVIRONMENTAL CONCERNS

On September 1, 2009, AKT Peerless completed a Phase I ESA of the subject property. AKT Peerless' Phase I ESA identified the following recognized environmental conditions (RECs) in association with the subject property:

- **REC-1:** AKT Peerless observed surface disturbances potentially related to mining and filling activities on Parcel B of the subject property in the 1985 aerial photograph.
- **REC-2:** AKT Peerless observed two soil mounds on the southwestern portion of Parcel A of the subject property.

5.2 SUMMARY OF SUBSURFACE INVESTIGATION

AKT Peerless conducted a Phase II ESA at the subject property to (1) verify the absence/presence of fill material associated with apparent historical mining activities conducted on Parcel B, (2) determine the nature and extent of fill material (if encountered) located on Parcel B, (3) conduct sampling in the areas of the former mining activities (Parcel B) and soil mounds (Parcel A), (4) screen for the absence/presence of methane gas, and (5) evaluate levels of contamination to determine if the subject property meets the definition of a “facility” as defined in Part 201 of Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act (PA) 451, 1994, as amended.

In October 2009, AKT Peerless conducted a subsurface investigation of the subject property that included: (1) the completion of seventeen test pits, (2) the advancement of ten soil borings, (3) the installation of five temporary methane monitor wells, and (4) the collection of 15 soil samples. The soil samples were submitted for laboratory analyses of VOCs, PNAs, PCBs, and Michigan Metals.

5.3 CONCLUSIONS

AKT Peerless conducted test pit activities, soil sampling, and methane screening activities in areas most likely to be impacted by contaminants based on the past use of the subject property. The results of the investigation indicate the following:

- The test pits completed throughout the subject property confirmed that historical operations conducted on Parcel B included the mining of native sand and land-filling with apparent construction debris including concrete, brick, metal, and wood. The fill material extends to an approximate depth ranging from 4 to 9 feet bgs throughout Parcel B and likely extends offsite to the east based on a review of historical aerial photographs. Refer to Figures 2 and 3 for maps depicting the locations of the test pits and the approximate extent of the fill material.
- Laboratory analytical results of soil samples collected from the fill material indicate that contaminant concentrations of various VOCs, PNAs, and metals are above MDEQ GRCC. Refer to Figure 4 for a map depicting the soil boring sample locations with laboratory analytical results above applicable MDEQ GRCC and Table 1 for a Summary of the Soil Analytical Results.
- Based on the methane screening activities conducted at the subject property, elevated concentrations of methane gas (peak 1.5% and stable 0.6%) were encountered in the southern portion of Parcel B (B-9M). Refer to Figure 5 and Table 2 for a summary of the methane well screening results.
- The degradation of the organic fill material (wood) encountered at the subject property is the likely source of the methane gas. The methane gas will continue to be produced until the source is removed or fully degraded. In addition, the methane gas will follow the path of least resistance, collect and migrate in underground receptors such as utility corridors and has the potential for off-site migration.

5.4 RECOMMENDATIONS

Based on AKT Peerless' October 2009 Phase II ESA, the subject property meets the definition of a facility as defined in Part 201 of Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act (PA) 451, 1994, as amended. AKT Peerless recommends conducting a Section 20107(a) Compliance Analysis on behalf of the City of Taylor to assure compliance with Due Care obligations. Due Care obligations include:

- Undertaking measures to prevent exacerbation of existing contamination.
- Exercising due care by undertaking response activities to mitigate unacceptable exposure to hazardous substances, mitigate fire and explosion hazards due to hazardous substances, and allow for the intended use of the subject property in a manner that protects health and safety.
- Taking reasonable precautions against the reasonably foreseeable acts or omissions of a third party and the consequences that could result from those acts or omissions.

In order to complete a Section 20107(a) Compliance Analysis of the subject property, AKT Peerless also recommends additional environmental site assessment activities to further evaluate for; (1) the potential for soil contamination to migrate off-site, and (2) evaluate elevated levels of methane gas encountered in the southern portion of Parcel B.

In addition, AKT Peerless recommends any future owner(s)/operator(s) prepare a Baseline Environmental Assessment (BEA) report. Section 26(1)(c) of Part 201 provides certain liability protections to a person who becomes an owner or operator of a *facility* on, or after June 5, 1995 if they comply with both of the following, or unless other defenses apply: a BEA is conducted prior to or within 45 days after the earlier of the date of purchase, occupancy, or foreclosure, and the owner or operator discloses the results of the BEA to the MDEQ and subsequent purchaser or transferee.

6.0 LIMITATIONS

The information and opinions obtained in this report are for the exclusive use of DCCBC and the City of Taylor. No distribution to or reliance by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without your written consent or as required by law or by a Court order. The information and opinions contained in the report are given in light of that assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein. Any third parties who have been extended the right to rely on the contents of this report by AKT Peerless (which is expressly required prior to any third-party release), expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless, DCCBC, and the City of Taylor.

Subject to the above and the terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for

consequential damages. Although AKT Peerless believes that results contained herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive or that the information provided by DCCBC and the City of Taylor or third parties is complete or accurate.

7.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following individuals contributed to the completion of this investigation.



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AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES
Farmington, Michigan Office



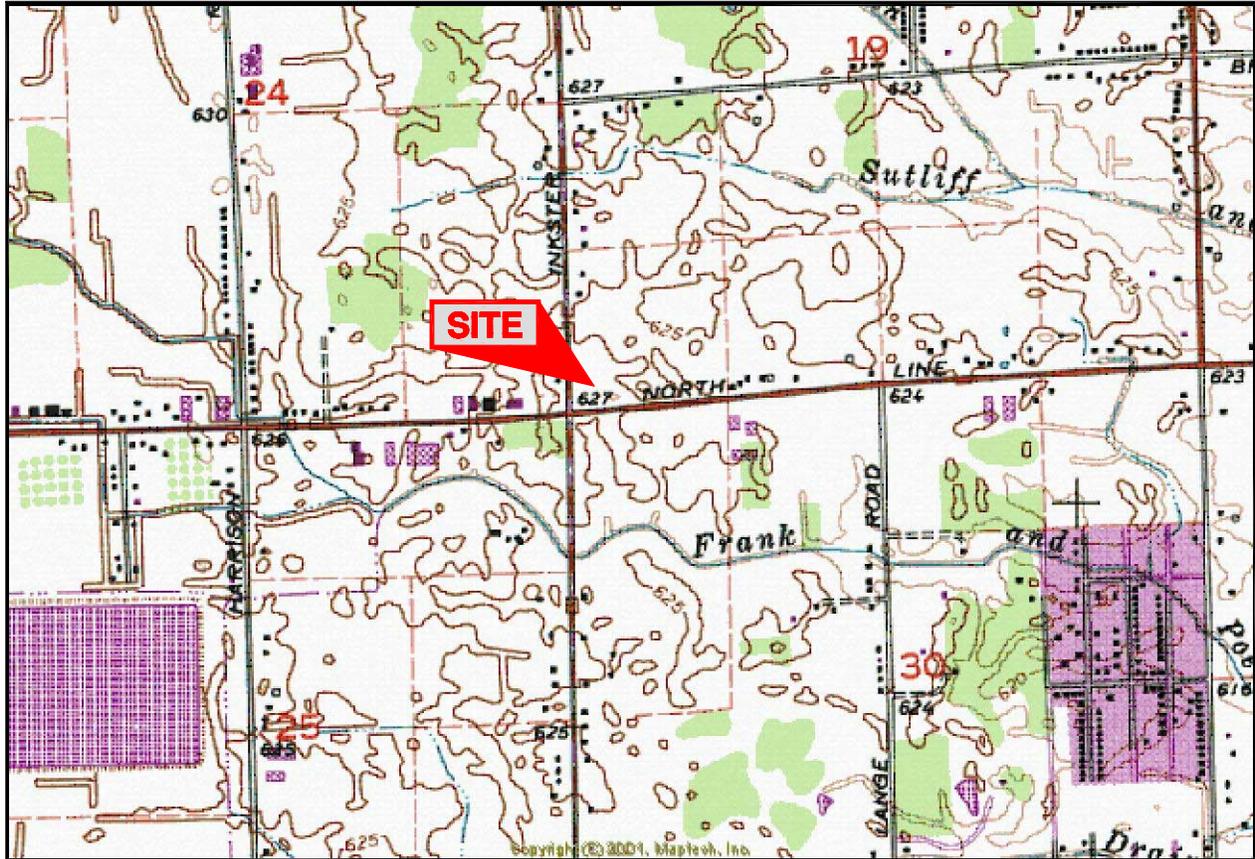
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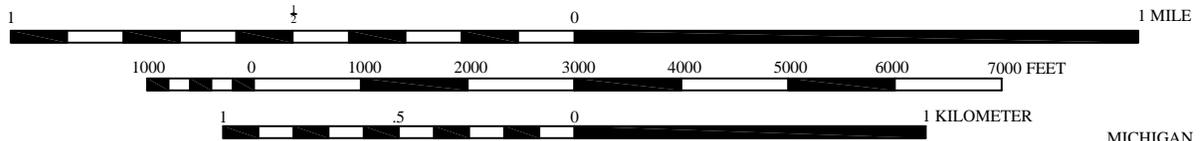
Megan M. Chikota, PE, LEED-AP
Director of Farmington Operations
AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES
Farmington, Michigan Office

FIGURES

FLAT ROCK NE QUADRANGLE
 MICHIGAN - WAYNE COUNTY
 7.5 MINUTE SERIES (TOPOGRAPHIC)



T.3 S. - R.10 E.



CONTOUR INTERVAL 5 FEET
 DATUM IS MEAN SEA LEVEL



IMAGE TAKEN FROM 1967 U.S.G.S. TOPOGRAPHIC MAP
 PHOTOREVISED 1973 AND 1980

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TOPOGRAPHIC LOCATION MAP

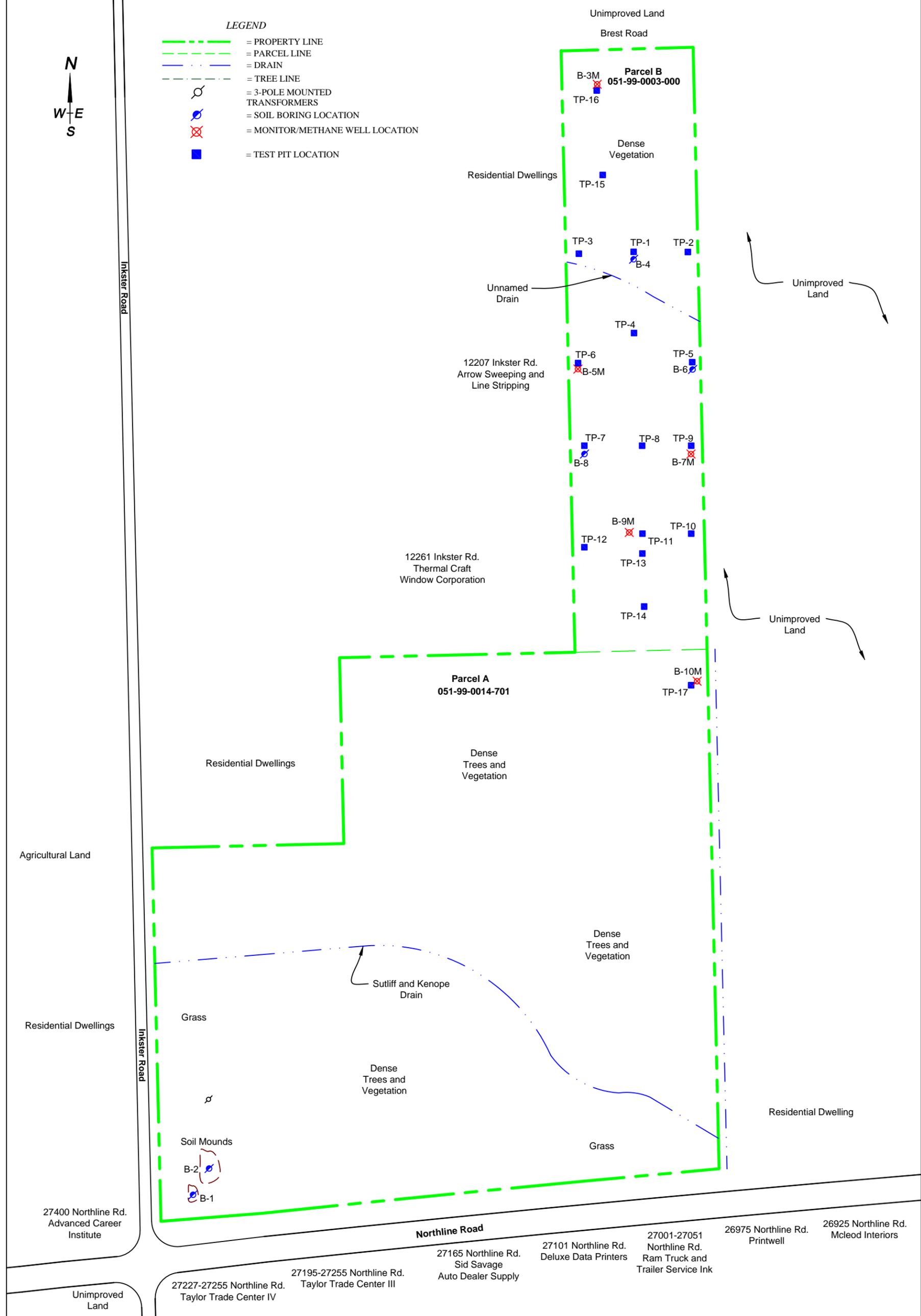
NEC OF NORTHLINE AND INKSTER ROADS
 PARCELS: 051-99-0014-701 AND
 051-99-0003-000
 TAYLOR, MICHIGAN
 PROJECT NUMBER : 6278F-2-20

DRAWN BY: K Edmond
 DATE: 11/4/2009

FIGURE 1



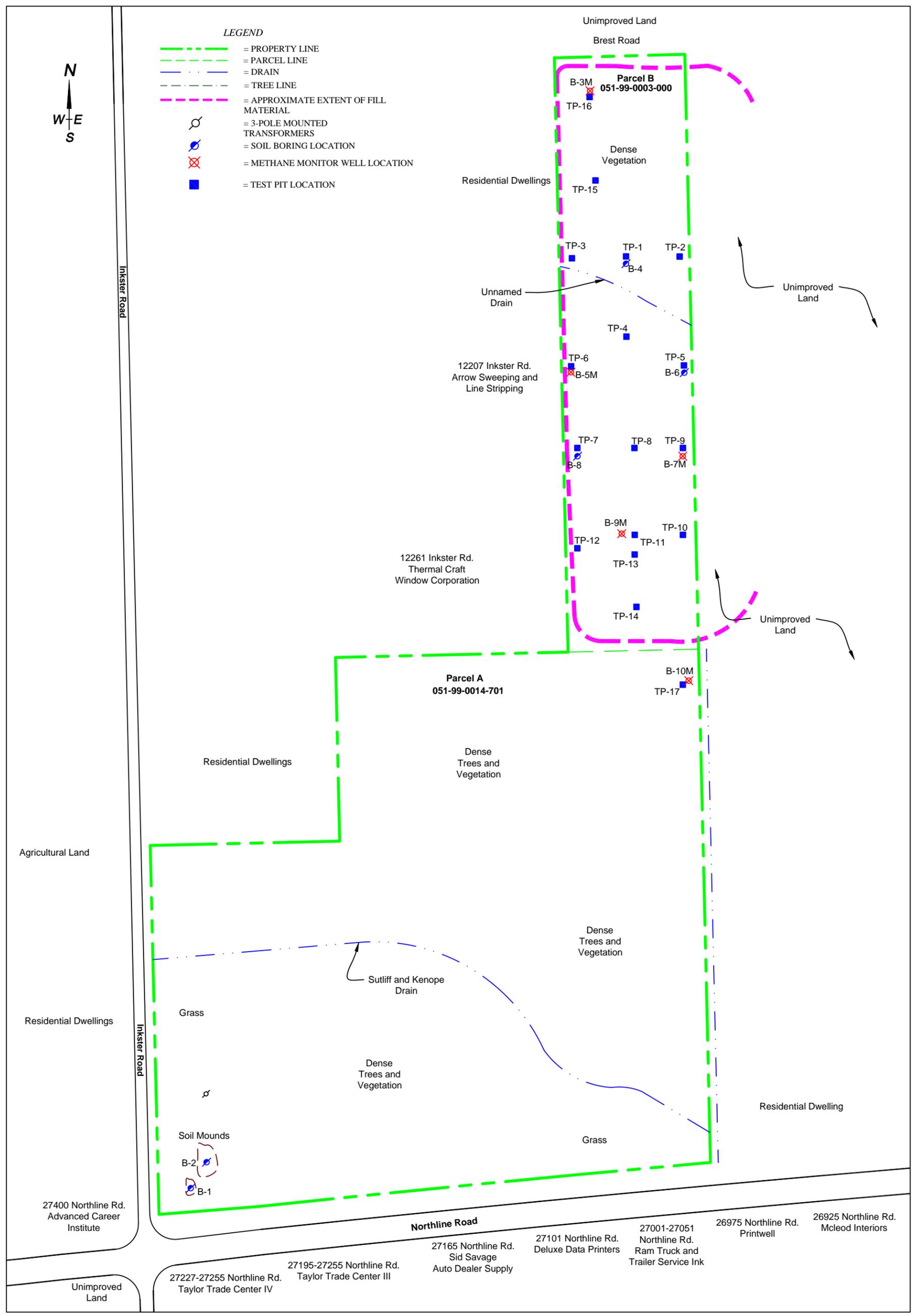
- LEGEND**
- = PROPERTY LINE
 - = PARCEL LINE
 - = DRAIN
 - = TREE LINE
 - = 3-POLE MOUNTED TRANSFORMERS
 - = SOIL BORING LOCATION
 - = MONITOR/METHANE WELL LOCATION
 - = TEST PIT LOCATION





LEGEND

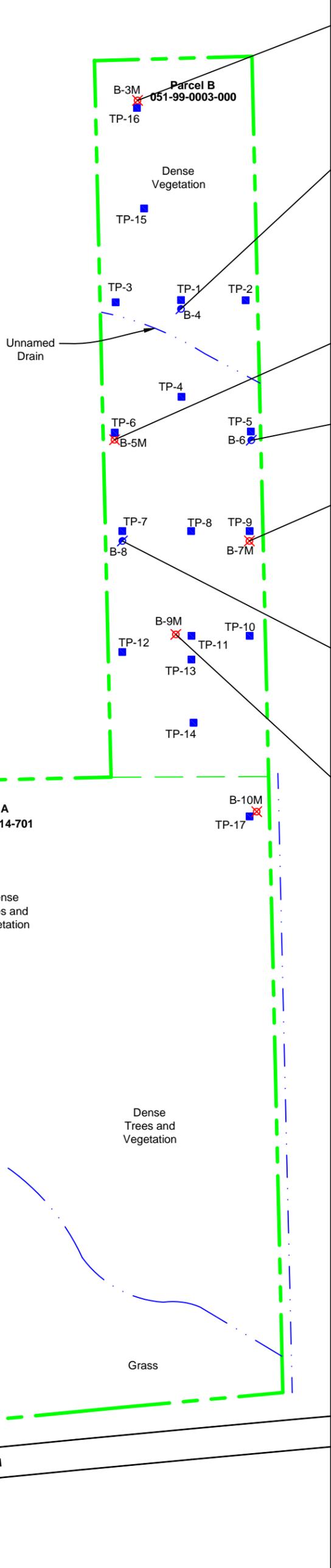
-  = PROPERTY LINE
-  = PARCEL LINE
-  = DRAIN
-  = TREE LINE
-  = APPROXIMATE EXTENT OF FILL MATERIAL
-  = 3-POLE MOUNTED TRANSFORMERS
-  = SOIL BORING LOCATION
-  = METHANE MONITOR WELL LOCATION
-  = TEST PIT LOCATION





LEGEND

- = PROPERTY LINE
- = PARCEL LINE
- = DRAIN
- = TREE LINE
- = 3-POLE MOUNTED TRANSFORMERS
- = SOIL BORING LOCATION
- = METHANE MONITOR WELL LOCATION
- = TEST PIT LOCATION



B-3 (2-4')	
10/21/2009	
Chromium	550,000 ug/Kg
Selenium	590 ug/Kg

B-4 (2-4')	
10/21/2009	
Mercury	380 ug/Kg
Benzo(a)pyrene	8,300 ug/Kg
Fluoranthene	22,000 ug/Kg
Phenanthrene	19,000 ug/Kg
Naphthalene	3,300 ug/Kg

B-4 (6-8')	
10/21/2009	
Chromium	19,000 ug/Kg

B-5 (2-4')	
10/21/2009	
Chromium	32,000 ug/Kg
Mercury	210 ug/Kg
Benzo(a)pyrene	2,200 ug/Kg

B-6 (2-4')	
10/21/2009	
Chromium	67,000 ug/Kg

B-7 (1-3')	
10/21/2009	
Selenium	1,500 ug/Kg

B-8 (4-6')	
10/21/2009	
Selenium	600 ug/Kg
Benzene	3,300 ug/Kg
Ethylbenzene	370 ug/Kg
Naphthalene	75,000 ug/Kg
1,2,4-Trimethylbenzene	15,000 ug/Kg
1,3,5-Trimethylbenzene	12,000 ug/Kg
Xylenes	13,000 ug/Kg

B-8 (4-6') Duplicate	
10/21/2009	
Selenium	520 ug/Kg
Benzene	5,900 ug/Kg
Ethylbenzene	740 ug/Kg
Naphthalene	250,000 ug/Kg
1,2,4-Trimethylbenzene	24,000 ug/Kg
1,3,5-Trimethylbenzene	8,600 ug/Kg
Xylenes	22,000 ug/Kg

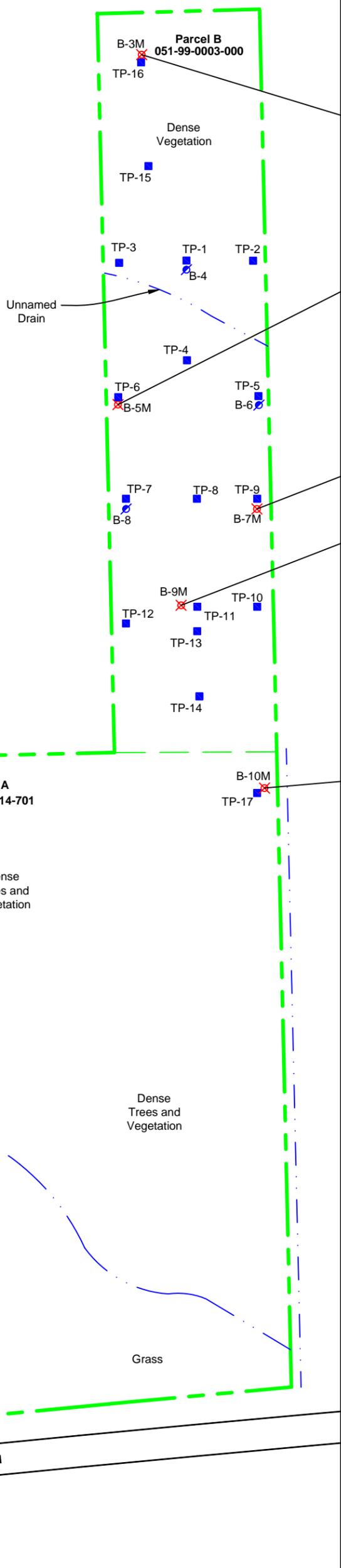
B-9 (2-4')	
10/21/2009	
Acenaphthene	4,700 ug/Kg
Benzo(a)pyrene	14,000 ug/Kg
Dibenzo(a,h)anthracene	3,200 ug/Kg
Fluoranthene	42,000 ug/Kg
Phenanthrene	31,000 ug/Kg
Naphthalene	1,900 ug/Kg

B-9 (4-6')	
10/21/2009	
Chromium	25,000 ug/Kg



LEGEND

- = PROPERTY LINE
- = PARCEL LINE
- = DRAIN
- = TREE LINE
- = 3-POLE MOUNTED TRANSFORMERS
- = SOIL BORING LOCATION
- = METHANE MONITOR WELL LOCATION
- = TEST PIT LOCATION



B-3M (2-5')	
Methane	
10/22/2009	0.1 %

B-5M (2-5')	
Methane	
10/22/2009	0.2 %

B-7M (2-5')	
Methane	
10/22/2009	0.1 %

B-9M (2-5')	
Methane	
10/22/2009	1.5 %

B-10M (2-5')	
Methane	
10/22/2009	0.1 %

TABLES

**Table 1: Summary of Soil Analytical Results
NEC of Northline and Inkster Roads
Parcels 051-99-0014-701 and 061-99-0003-000
Taylor, Michigan**

Guidesheet Number →	#10	#11	#12	#13	#14	#15	#18	#19																		
Parameters* <small>*(Refer to detailed laboratory report for method reference data)</small>	Chemical Abstract Service Number	Statewide Default Background Levels	Residential and Commercial I Drinking Water Protection Criteria and RBSLs	Residential and Commercial I Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential and Commercial I Groundwater Contact Protection Criteria and RBSLs	Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs	Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs	Residential and Commercial I Particulate Soil Inhalation Criteria and RBSLs	Residential and Commercial I Direct Contact Criteria and RBSLs	Sample Location	B-1	B-2	B-3	B-4	B-4	B-5	B-5	B-6	B-7							
										Collection Date	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
										Depth	(1-2)	(1-2)	(2-4)	(2-4)	(6-8)	(2-4)	(6-8)	(2-4)	(1-3)							
Metals																										
Arsenic	7440-38-2	5,800	4,600	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600		1,700	5,000	3,800	4,900	6,100	5,100	3,700	6,100	5,400							
Barium (B)	7440-39-3	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7		48,000	59,000	100,000	94,000	110,000	200,000	67,000	84,000	170,000							
Cadmium (B)	7440-43-9	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5		120	260	230	390	160	1,700	110	380	180							
Chromium, Total	7440-47-3	18,000 (total)	30,000	3,300	1.4E+8	NLV	NLV	2.6E+5	2.5E+6		6,300	12,000	550,000	13,000	19,000	32,000	16,000	67,000	9,000							
Copper (B)	7440-50-8	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7		3,800	15,000	24,000	36,000	21,000	270,000	16,000	29,000	12,000							
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5		7,800	20,000	38,000	22,000	11,000	280,000	8,200	59,000	9,000							
Mercury, Total	7439-97-6	130	1,700	50 (M); 1.2	47,000	48,000	52,000	2.0E+7	1.6E+5		<50	<50	<50	380	<50	210	<50	68	<50							
Selenium (B)	7782-49-2	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6		<200	380	590	280	300	400	<200	390	1,500							
Silver (B)	7440-22-4	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6		<100	<100	<100	<100	<100	120	<100	<100	<100							
Zinc (B)	7440-66-6	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8		22,000	44,000	45,000	110,000	56,000	260,000	49,000	110,000	26,000							
PCBs																										
Polychlorinated biphenyls (PCBs) (J,T)	1336-36-3	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)		<360	<370	<1,100	<370	<400	<420	<380	<360	<370							
Semivolatiles, PNAs																										
Acenaphthene	83-32-9	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7		<330	<330	<330	2,600	<330	<330	<330	<330	<330							
Acenaphthylene	208-96-8	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6		<330	<330	<330	<330	<330	350	<330	<330	<330							
Anthracene	120-12-7	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8		<330	<330	<330	4,600	<330	1,100	<330	<330	<330							
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		<330	<330	2,100	8,100	<330	2,200	<330	500	<330							
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000		<330	<330	1,800	8,300	<330	2,200	<330	470	<330							
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	NLL	ID	ID	ID	20,000		<330	<330	3,200	9,800	<330	2,800	<330	690	<330							
Benzo(g,h,i)perylene	191-24-2	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6		<330	<330	840	5,400	<330	1,400	<330	490	<330							
Benzo(k)fluoranthene (Q)	207-08-9	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5		<330	<330	1,400	4,000	<330	930	<330	<330	<330							
Chrysene (Q)	218-01-9	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6		<330	<330	1,900	7,200	<330	1,900	<330	420	<330							
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000		<330	<330	380	1,900	<330	500	<330	<330	<330							
Fluoranthene	206-44-0	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7		<330	<330	5,200	22,000	<330	4,000	<330	980	430							
Fluorene	86-73-7	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7		<330	<330	<330	2,400	<330	<330	<330	<330	<330							
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		<330	<330	830	4,500	<330	1,200	<330	460	<330							
2-Methylnaphthalene	91-57-6	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6		<330	<330	<330	780	<330	<330	<330	<330	<330							
Phenanthrene	85-01-8	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6		<330	<330	2,200	19,000	<330	1,300	<330	400	<330							
Pyrene	129-00-0	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7		<330	<330	3,900	17,000	<330	3,000	<330	790	340							
Volatiles																										
Benzene (I)	71-43-2	NA	100	4,000 (X)	2.2E+5	1,600	13,000	3.8E+8	1.8E+5		<50	<50	<50	<50	<50	<50	<50	<50	<50							
n-Butylbenzene	104-51-8	NA	1,600	ID	1.2E+5	ID	ID	ID	2.5E+6		<50	<50	<50	<50	<50	<50	<50	<50	<50							
sec-Butylbenzene	135-98-8	NA	1,600	ID	88,000	ID	ID	ID	2.5E+6		<50	<50	<50	<50	<50	<50	<50	<50	<50							
tert-Butylbenzene (I)	98-06-6	NA	1,600	NA	1.8E+5	ID	ID	ID	2.5E+6		<50	<50	<50	<50	<50	<50	<50	<50	<50							
Ethylbenzene (I)	100-41-4	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)		<50	<50	<50	<50	<50	<50	<50	<50	<50							
Isopropyl benzene	98-82-8	NA	91,000	ID	3.9E+5 (C)	3.9E+5 (C)	1.7E+6	5.8E+9	3.9E+5 (C)		<250	<250	<250	<250	<250	<250	<250	<250	<250							
2-Methylnaphthalene	91-57-6	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6		<330	<330	<330	1,400	<330	<330	<330	<330	<330							
Naphthalene	91-20-3	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7		<330	<330	<330	3,300	<330	<330	<330	<330	<330							
n-Propylbenzene (I)	103-65-1	NA	1,600	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6		<100	<100	<100	<100	<100	<100	<100	<100	<100							
Toluene (I)	108-88-3	NA	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	2.7E+10	2.5E+5 (C)		<50	<50	<50	58	<50	56	<50	<50	<50							
1,2,3-Trimethylbenzene	526-73-8										<100	<100	<100	<100	<100	<100	<100	<100	<100							
1,2,4-Trimethylbenzene (I)	95-63-6	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)		<100	<100	<100	<100	<100	<100	<100	<100	<100							
1,3,5-Trimethylbenzene (I)	108-67-8	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)		<100	<100	<100	<100	<100	<100	<100	<100	<100							
Xylenes (I)	1330-20-7	NA	5,600	700	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)		<150	<150	<150	<150	<150	<150	<150	<150	<150							
Other VOCs	-	NA	-	-	-	-	-	-	-		BDL															

**Table 1: Summary of Soil Analytical Results
NEC of Northline and Inkster Roads
Parcels 051-99-0014-701 and 061-99-0003-000
Taylor, Michigan**

Guidesheet Number	→	#10	#11	#12	#13	#14	#15	#18	#19									
Parameters* <i>*(Refer to detailed laboratory report for method reference data)</i>	Chemical Abstract Service Number	Statewide Default Background Levels	Residential and Commercial I Drinking Water Protection Criteria and RBSLs	Residential and Commercial I Groundwater Surface Water Interface Protection Criteria and RBSLs	Residential and Commercial I Groundwater Contact Protection Criteria and RBSLs	Residential and Commercial I Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs	Residential and Commercial I Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs	Residential and Commercial I Particulate Soil Inhalation Criteria and RBSLs	Residential and Commercial I Direct Contact Criteria and RBSLs	Sample Location	B-7	B-8	SOIL DUPLICATE #1 / B-8	B-8	B-9	SOIL DUPLICATE #2 / B-9	B-9	B-10
										Collection Date	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
										Depth	(5-6)	(4-6)	(4-6)	(10-12)	(2-4)	(2-4)	(4-6)	(2-4)
Metals																		
Arsenic	7440-38-2	5,800	4,600	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600		1,500	3,300	4,700	6,600	3,000	3,000	3,800	1,100
Barium (B)	7440-39-3	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7		39,000	64,000	81,000	66,000	200,000	160,000	120,000	8,900
Cadmium (B)	7440-43-9	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5		450	260	270	290	360	330	700	<50
Chromium, Total	7440-47-3	18,000 (total)	30,000	3,300	1.4E+8	NLV	NLV	2.6E+5	2.5E+6		8,900	18,000	14,000	18,000	18,000	15,000	25,000	5,200
Copper (B)	7440-50-8	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7		9,100	16,000	19,000	21,000	13,000	12,000	17,000	1,800
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5		10,000	21,000	18,000	10,000	43,000	27,000	57,000	2,100
Mercury, Total	7439-97-6	130	1,700	50 (M); 1.2	47,000	48,000	52,000	2.0E+7	1.6E+5		<50	<50	<50	<50	77	<50	<50	<50
Selenium (B)	7782-49-2	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6		340	600	520	350	390	340	360	<200
Silver (B)	7440-22-4	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6		<100	<100	<100	<100	<100	<100	<100	<100
Zinc (B)	7440-66-6	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8		35,000	46,000	49,000	58,000	72,000	58,000	92,000	7,200
PCBs																		
Polychlorinated biphenyls (PCBs) (J,T)	1336-36-3	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)		<370	<400	<410	<400	<430	<430	<420	<350
Semivolatiles, PNAs																		
Acenaphthene	83-32-9	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7		<330	<330	470	<330	4,700	600	<330	<330
Acenaphthylene	208-96-8	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6		<330	<330	1,000	<330	<330	<330	<330	<330
Anthracene	120-12-7	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8		<330	1,100	4,100	<330	6,700	780	<330	<330
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		<330	800	780	<330	14,000	1,600	780	<330
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000		<330	640	710	<330	14,000	1,500	760	<330
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		<330	970	970	<330	19,000	1,800	960	<330
Benzo(g,h,i)perylene	191-24-2	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6		<330	<330	490	<330	7,700	930	500	<330
Benzo(k)fluoranthene (Q)	207-08-9	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5		<330	<330	350	<330	5,900	740	410	<330
Chrysene (Q)	218-01-9	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6		<330	660	700	<330	13,000	1,400	680	<330
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000		<330	<330	960	<330	3,200	<330	<330	<330
Fluoranthene	206-44-0	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7		580	1,900	2,000	<330	42,000	4,300	2,000	<330
Fluorene	86-73-7	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7		<330	400	1,000	<330	3,800	440	<330	<330
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000		<330	<330	460	<330	7,000	780	410	<330
2-Methylnaphthalene	91-57-6	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6		<330	880	4,600	<330	750	<330	<330	<330
Phenanthrene	85-01-8	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6		390	1,600	2,800	<330	31,000	3,100	1,200	<330
Pyrene	129-00-0	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7		430	1,500	1,500	<330	31,000	3,000	1,500	<330
Volatiles																		
Benzene (I)	71-43-2	NA	100	4,000 (X)	2.2E+5	1,600	13,000	3.8E+8	1.8E+5		<50	3,300	5,900	<50	<50	<50	<50	<50
n-Butylbenzene	104-51-8	NA	1,600	ID	1.2E+5	ID	ID	ID	2.5E+6		<50	370	840	<50	<50	<50	<50	<50
sec-Butylbenzene	135-98-8	NA	1,600	ID	88,000	ID	ID	ID	2.5E+6		<50	6,200	11,000	<50	<50	<50	<50	<50
tert-Butylbenzene (I)	98-06-6	NA	1,600	NA	1.8E+5	ID	ID	ID	2.5E+6		<50	310	880	<50	<50	<50	<50	<50
Ethylbenzene (I)	100-41-4	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+10	1.4E+5 (C)		<50	370	740	<50	<50	<50	<50	<50
Isopropyl benzene	98-82-8	NA	91,000	ID	3.9E+5 (C)	3.9E+5 (C)	1.7E+6	5.8E+9	3.9E+5 (C)		<250	3,600	8,100	<250	<250	<250	<250	<250
2-Methylnaphthalene	91-57-6	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6		<330	1,000	1,900	<330	<330	<330	<330	450
Naphthalene	91-20-3	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7		<330	75,000	250,000	<330	1,900	380	<330	<330
n-Propylbenzene (I)	103-65-1	NA	1,600	NA	3.0E+5	ID	ID	1.3E+9	2.5E+6		<100	140	340	<100	<100	<100	<100	<100
Toluene (I)	108-88-3	NA	16,000	2,800	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	2.7E+10	2.5E+5 (C)		<50	710	2,300	<50	<50	<50	<50	<50
1,2,3-Trimethylbenzene	526-73-8										<100	5,500	9,200	<100	<100	<100	<100	<100
1,2,4-Trimethylbenzene (I)	95-63-6	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	8.2E+10	1.1E+5 (C)		<100	15,000	24,000	<100	<100	<100	<100	<100
1,3,5-Trimethylbenzene (I)	108-67-8	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	8.2E+10	94,000 (C)		<100	12,000	8,600	<100	<100	<100	<100	<100
Xylenes (I)	1330-20-7	NA	5,600	700	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	2.9E+11	1.5E+5 (C)		<150	13,000	22,000	<150	<150	<150	<150	<150
Other VOCs	-	NA	-	-	-	-	-	-	-		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

FOOTNOTES

FOR THE PART 201 CRITERIA/PART 213 RISK-BASED SCREENING LEVELS
RRD OPERATIONAL MEMORANDUM No. 1

- (A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 pa 399, mcl 325.1005.
- (B) Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.
- (C) Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat} . Concentrations greater than C_{sat} are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.
- (D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or $1.0E+9$ parts per billion (ppb).
- (E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).
- (F) Criterion is based on adverse impacts to plant life and phytotoxicity.
- (G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.
- (H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.
- (I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules.
- (J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.
- (K) Hazardous substance may be flammable or explosive, or both.
- (L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(10) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.
- (M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.
- (N) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of $2.0E+5$ ug/kg.
- (O) The concentration of all polychlorinated and polybrominated dibenzodioxin and dibenzofuran isomers present at a facility, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin based upon their relative potency, shall be added together and compared to the criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin.
- (P) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial-commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.
- (Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.
- (R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of \$45, from the superintendent of documents, government printing office, Washington, dc 20401 (stock number 869-044-00155-1), or from the DEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.
- (S) Criterion defaults to the hazardous substance-specific water solubility limit.
- (T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart d and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart d and subpart g of 40 C.F.R. §761 (July 1, 2001) are adopted by reference in these rules and are available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulations may be purchased, at a cost as of the time of adoption of these rules of \$55, from the superintendent of documents, Government Printing Office, Washington, dc 20401, or from the DEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost. Alternatives to compliance with the tscs standards listed below are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.
- (U) Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 C.F.R. §261.22 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of \$45, from the Superintendent of Documents, Government Printing Office, Washington, dc 20401 (stock number 869-044-00155-1), or from the DEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.
- (V) Criterion is the aesthetic drinking water value as required by Section 20120(a)(5) of the NREPA. concentrations up to 200 ug/L may be acceptable, and still allow for drinking water use, as part of a site-specific cleanup under Section 20120a(2) of the NREPA.
- (W) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 ug/L. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.
- (X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. see formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
- (Y) Source size modifiers shown in the following table shall be used to determine soil inhalation criteria for ambient air when the source size is not one-half acre.
- (Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.
- (AA) Comparison to these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.
- (BB) The state drinking water standard for asbestos is in units of fibers per milliliter of water (f/mL) longer than 10 millimicrons. Soil concentrations of asbestos are determined by polarized light microscopy.
- (CC) Groundwater: The generic GSI criteria are based on the toxicity of unionized ammonia (NH3); the criteria are 29 ug/L and 53 ug/L for cold water and warm water surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH3 in the surface water. This percent NH3 is a function of the pH and temperature of the receiving surface water and can be estimated using the following table, taken from Emerson, et al., (Journal of the Fisheries Research Board of Canada, Volume 32(12):2382, 1975).
- (DD) Hazardous substance causes developmental effects. Residential and commercial I direct contact criteria are protective of both prenatal and postnatal exposure. Industrial and commercial II, III and IV direct contact criteria are protective for a pregnant adult receptor.
- (EE) The following are applicable generic GSI criteria as required by Section 20120a(15) of the NREPA.
- (FF) The chloride GSI criterion shall be 125 mg/l when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/l when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable.
- (GG) Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and commercial/industrial land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or $8.4E+6$ ug/m3.
- ID Insufficient data to develop criterion.
- NA A criterion or value is not available or, in the case of background and CAS numbers, not applicable.
- NLL Hazardous substance is not likely to leach under most soil conditions.
- NLV Hazardous substance is not likely to volatilize under most conditions.
- ug/Kg Micrograms per kilogram
- ug/L Micrograms per liter
- BDL Below Laboratory Method Detection Limits

Appendix A
Soil Boring Logs

AKTPEERLESS

environmental & energy services

22725 Orchard Lake Road, Farmington, Michigan 48336
 Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

DCCBC
 NEC of Northline and Inkster
 Taylor, Michigan
 AKT Peerless Project NO.: 6278F-2-20

B-3M

Drawn By: JDF
 Date: 11/17/09

DRILLING COMPANY:	AKT Peerless	WEATHER:	Sunny, 45 F
TECHNICIAN:	Pat Hall	BORING DEPTH:	14 FEET BGS
DATE DRILLED:	10/21/09	DEPTH TO GW:	9 FEET BGS
DRILLING METHOD:	GeoProbe	SCREEN INTERVAL:	2-5 FEET BGS
FIELD GEOLOGIST:	Jeremy Fox	SCREEN MATERIAL:	1" SLOTTED PVC

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	METHANE WELL DIAGRAM
						TOPSOIL		
2		100	<0.1		Black & Gray	FILL: mostly clay with concrete	M	
4								
6		100	<0.1	SW	Brown	SAND: medium grain	M	
				SW	Gray	SAND: medium grain	M	
				CL	Gray	CLAY: with some silt and a trace of sand and gravel	M	
8								
				ML	Gray	SILT: (three inches)	≡	
10		100	<0.1	CL	Gray	CLAY: with some silt and a trace of sand and gravel	M	
12		100	<0.1					
14						End of Boring		
16								
18								
20								

Appendix B

Laboratory Analytical Report



Tuesday, November 03, 2009

Fibertec Project Number: 36434
Project Identification: DCCB /6278F-2-20
Submittal Date: 10/22/2009

Mr. Jeremy Fox
AKT Peerless Environ. Svcs, Inc. - Farm. Hills
22725 Orchard Lake Road
Farmington Hills, MI 48336

Dear Mr. Fox,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

A handwritten signature in black ink, appearing to read "Daryl P. Strandbergh".

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-001

Order: 36434
Page: 2 of 67
Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-1 (1-2)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **1** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-001A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	7.5		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-001A		Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	1700		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	48000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	120		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	6300		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	3800		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	7800		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	U		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	22000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-001A		Matrix: Soil/Solid		Analyst: MAP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27A	10/27/09	PM09J27A

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-001A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-001		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-001

Order: 36434
Page: 3 of 67
Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-1 (1-2)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **1** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-001		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	270	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	54	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-001

Order: 36434
Page: 4 of 67
Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-1 (1-2)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **1** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-001		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/28/09	V309J28A	10/28/09	V309J28A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 36434-001A		Matrix: Soil/Solid		Analyst: HLS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
2. Acenaphthylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
3. Anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
4. Benzo(a)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
5. Benzo(a)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
6. Benzo(b)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
7. Benzo(ghi)perylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
8. Benzo(k)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
9. Chrysene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
11. Fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
12. Fluorene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
14. 2-Methylnaphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
15. Naphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
16. Phenanthrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
17. Pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-002

Order: 36434
Page: 5 of 67
Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-2 (1-2)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **2** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-002A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	11		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-002A		Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	5000		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	59000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	260		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	12000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	15000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	20000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	380		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	44000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-002A		Matrix: Soil/Solid		Analyst: MAP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27A	10/27/09	PM09J27A

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-002A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-002		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-002

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-2 (1-2)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **2** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-002		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	280	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	56	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-002

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-2 (1-2)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **2** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-002		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 36434-002A		Matrix: Soil/Solid		Analyst: HLS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
2. Acenaphthylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
3. Anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
4. Benzo(a)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
5. Benzo(a)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
6. Benzo(b)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
7. Benzo(ghi)perylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
8. Benzo(k)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
9. Chrysene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
11. Fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
12. Fluorene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
14. 2-Methylnaphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
15. Naphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
16. Phenanthrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
17. Pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-003

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-3 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **3** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-003A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	7.8		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-003A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	3800		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	100000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	230		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	550000		µg/kg	580	10000	10/27/09	PT09J27E	10/28/09	PT09J27E
5. Copper	24000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	38000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	590		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	45000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-003A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27A	10/27/09	PM09J27A

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-003A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	1100	3	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-003			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-003

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-3 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **3** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-003		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	270	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	54	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-003

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-3 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **3** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-003		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-003A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
2. Acenaphthylene (SIM)	U		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
3. Anthracene (SIM)	U		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
4. Benzo(a)anthracene (SIM)	2100		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
5. Benzo(a)pyrene (SIM)	1800		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
6. Benzo(b)fluoranthene (SIM)	3200		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
7. Benzo(ghi)perylene (SIM)	840		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
8. Benzo(k)fluoranthene (SIM)	1400		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
9. Chrysene (SIM)	1900		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
10. Dibenzo(a,h)anthracene (SIM)	380		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
11. Fluoranthene (SIM)	5200		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
12. Fluorene (SIM)	U		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
13. Indeno(1,2,3-cd)pyrene (SIM)	830		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
15. Naphthalene (SIM)	U		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
16. Phenanthrene (SIM)	2200		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A
17. Pyrene (SIM)	3900		µg/kg	330	10	10/27/09	PS09J27A	10/27/09	S509J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-004

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-4 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **4** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-004A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	11		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-004A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	4900		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	94000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	390		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	13000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	36000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	22000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	280		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	110000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-004A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	380		µg/kg	50	10	10/27/09	PM09J27A	10/27/09	PM09J27A

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-004A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-004			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-004

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-4 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **4** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-004		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	280	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	56	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	1400		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	3300		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-004

Order: 36434
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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-4 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **4** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-004		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	58	J	µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-004A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	2600		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
2. Acenaphthylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
3. Anthracene (SIM)	4600		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
4. Benzo(a)anthracene (SIM)	8100		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
5. Benzo(a)pyrene (SIM)	8300		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
6. Benzo(b)fluoranthene (SIM)	9800		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
7. Benzo(ghi)perylene (SIM)	5400		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
8. Benzo(k)fluoranthene (SIM)	4000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
9. Chrysene (SIM)	7200		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
10. Dibenzo(a,h)anthracene (SIM)	1900		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
11. Fluoranthene (SIM)	22000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
12. Fluorene (SIM)	2400		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
13. Indeno(1,2,3-cd)pyrene (SIM)	4500		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
14. 2-Methylnaphthalene (SIM)	780		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
15. Naphthalene (SIM)	1000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
16. Phenanthrene (SIM)	19000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
17. Pyrene (SIM)	17000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-005

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-4 (6-8)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **5** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-005A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	17		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-005A		Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	6100		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	110000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	160		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	19000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	21000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	11000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	300		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	56000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-005A		Matrix: Soil/Solid		Analyst: MAP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27A	10/27/09	PM09J27A

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-005A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-005		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-005

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-4 (6-8)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **5** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-005		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	300	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	60	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-005

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-4 (6-8)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **5** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-005		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 36434-005A		Matrix: Soil/Solid		Analyst: HLS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
2. Acenaphthylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
3. Anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
4. Benzo(a)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
5. Benzo(a)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
6. Benzo(b)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
7. Benzo(ghi)perylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
8. Benzo(k)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
9. Chrysene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
11. Fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
12. Fluorene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
14. 2-Methylnaphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
15. Naphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
16. Phenanthrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
17. Pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-006

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-5 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **6** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-006A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	22		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-006A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	5100		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	200000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	1700		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	32000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	270000		µg/kg	1000	10000	10/27/09	PT09J27E	10/28/09	PT09J27E
6. Lead	280000		µg/kg	1000	10000	10/27/09	PT09J27E	10/28/09	PT09J27E
7. Selenium	400		µg/kg	200	500	10/27/09	PT09J27E	10/28/09	PT09J27E
8. Silver	120		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	260000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-006A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	210		µg/kg	50	10	10/27/09	PM09J27A	10/27/09	PM09J27A

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-006A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	420	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-006			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-006

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-5 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **6** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-006		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	320	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	64	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-006

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-5 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **6** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-006		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	56		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-006A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
2. Acenaphthylene (SIM)	350		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
3. Anthracene (SIM)	1100		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
4. Benzo(a)anthracene (SIM)	2200		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
5. Benzo(a)pyrene (SIM)	2200		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
6. Benzo(b)fluoranthene (SIM)	2800		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
7. Benzo(ghi)perylene (SIM)	1400		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
8. Benzo(k)fluoranthene (SIM)	930		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
9. Chrysene (SIM)	1900		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
10. Dibenzo(a,h)anthracene (SIM)	500		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
11. Fluoranthene (SIM)	4000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
12. Fluorene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
13. Indeno(1,2,3-cd)pyrene (SIM)	1200		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
15. Naphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
16. Phenanthrene (SIM)	1300		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
17. Pyrene (SIM)	3000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-007

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-5 (6-8)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **7** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-007A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	14		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-007A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	3700		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	67000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	110		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	16000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	16000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	8200		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	U		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	49000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-007A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27A	10/27/09	PM09J27A

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-007A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	380	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-007			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-007

Order: 36434
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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-5 (6-8)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **7** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-007		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	290	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	58	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-007

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-5 (6-8)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **7** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-007		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-007A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
2. Acenaphthylene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
3. Anthracene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
9. Chrysene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
11. Fluoranthene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
12. Fluorene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
15. Naphthalene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
16. Phenanthrene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
17. Pyrene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-008

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-6 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **8** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-008A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	9.3		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-008A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	6100		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	84000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	380		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	67000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	29000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	59000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	390		µg/kg	200	500	10/27/09	PT09J27E	10/28/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	110000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-008A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	68		µg/kg	50	10	10/27/09	PM09J27A	10/27/09	PM09J27A

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-008A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	360	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-008			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-008

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-6 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **8** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-008		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	280	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	55	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-008

Order: 36434
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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-6 (2-4)** Chain of Custody: **54037**
Client Project Name: **DCCB** Sample No: **8** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-008		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-008A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
2. Acenaphthylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
3. Anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
4. Benzo(a)anthracene (SIM)	500		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
5. Benzo(a)pyrene (SIM)	470		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
6. Benzo(b)fluoranthene (SIM)	690		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
7. Benzo(ghi)perylene (SIM)	490		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
9. Chrysene (SIM)	420		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
11. Fluoranthene (SIM)	980		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
12. Fluorene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
13. Indeno(1,2,3-cd)pyrene (SIM)	460		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
15. Naphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
16. Phenanthrene (SIM)	400		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
17. Pyrene (SIM)	790		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-011

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-7 (1-3)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **11** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-011A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	10		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-011A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	5400		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	170000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	180		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	9000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	12000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	9000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	1500		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	26000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-011A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-011A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-011			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-011

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-7 (1-3)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **11** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-011		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	280	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	56	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-011

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-7 (1-3)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **11** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-011		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-011A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
2. Acenaphthylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
3. Anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
9. Chrysene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
11. Fluoranthene (SIM)	430		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
12. Fluorene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
15. Naphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
16. Phenanthrene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
17. Pyrene (SIM)	340		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-7 (5-6)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **12** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-012A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	9.9		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-012A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	1500		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	39000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	450		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	8900		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	9100		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	10000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	340		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	35000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-012A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-012A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	370	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-012			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-012

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-7 (5-6)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **12** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-012		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	280	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	55	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-012

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-7 (5-6)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **12** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-012		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-012A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
2. Acenaphthylene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
3. Anthracene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
6. Benzo(b)fluoranthene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
9. Chrysene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
11. Fluoranthene (SIM)	580		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
12. Fluorene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
15. Naphthalene (SIM)	U		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
16. Phenanthrene (SIM)	390		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B
17. Pyrene (SIM)	430		µg/kg	330	20	10/27/09	PS09J27A	10/28/09	S509J28B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-013

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-8 (4-6)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **13** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-013A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	17		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-013A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	3300		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	64000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	260		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	18000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	16000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	21000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	600		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	46000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-013A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-013A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-013			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	3300		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-013

Order: 36434
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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-8 (4-6)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **13** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-013		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	370		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	6200		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	310		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	300	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	60	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	370		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	3600		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	1000		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	75000		µg/kg	3000	1	10/28/09	VA09J28A	10/28/09	VA09J28A
45. n-Propylbenzene	140		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-013

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-8 (4-6)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **13** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-013		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	710		µg/kg	240	1	10/28/09	V309J28A	10/28/09	V309J28A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	5500		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	15000		µg/kg	1500	1	10/28/09	VA09J28A	10/28/09	VA09J28A
59. 1,3,5-Trimethylbenzene	12000		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	13000		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-013A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
2. Acenaphthylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
3. Anthracene (SIM)	1100		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
4. Benzo(a)anthracene (SIM)	800		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
5. Benzo(a)pyrene (SIM)	640		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
6. Benzo(b)fluoranthene (SIM)	970		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
9. Chrysene (SIM)	660		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
11. Fluoranthene (SIM)	1900		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
12. Fluorene (SIM)	400		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
14. 2-Methylnaphthalene (SIM)	880		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
15. Naphthalene (SIM)	51000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
16. Phenanthrene (SIM)	1600		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
17. Pyrene (SIM)	1500		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-014

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-8 (10-12)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **14** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-014A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	17		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-014A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	6600		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	66000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	290		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	18000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	21000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	10000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	350		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	58000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-014A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-014A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
2. Aroclor-1221	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
3. Aroclor-1232	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
4. Aroclor-1242	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
5. Aroclor-1248	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
6. Aroclor-1254	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
7. Aroclor-1260	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	400	1	10/27/09	PS09J27A	10/27/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-014			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-014

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-8 (10-12)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **14** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-014		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	300	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	60	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/28/09	VA09J28A	10/28/09	VA09J28A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-014

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-8 (10-12)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **14** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-014		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 36434-014A		Matrix: Soil/Solid		Analyst: HLS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
2. Acenaphthylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
3. Anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
4. Benzo(a)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
5. Benzo(a)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
6. Benzo(b)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
7. Benzo(ghi)perylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
8. Benzo(k)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
9. Chrysene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
11. Fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
12. Fluorene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
14. 2-Methylnaphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
15. Naphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
16. Phenanthrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
17. Pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-015

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-9 (2-4)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **15** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-015A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	23		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-015A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	3000		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	200000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	360		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	18000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	13000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	43000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	390		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	72000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-015A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	77		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-015A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
2. Aroclor-1221	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
3. Aroclor-1232	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
4. Aroclor-1242	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
5. Aroclor-1248	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
6. Aroclor-1254	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
7. Aroclor-1260	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
8. Aroclor-1262 (NN)	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
9. Aroclor-1268 (NN)	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-015			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-015

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-9 (2-4)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **15** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-015		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	320	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	65	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	690		µg/kg	330	1	10/28/09	VA09J28A	10/28/09	VA09J28A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-015

Order: 36434
Page: 40 of 67
Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-9 (2-4)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **15** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-015		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-015A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	4700		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
2. Acenaphthylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
3. Anthracene (SIM)	6700		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
4. Benzo(a)anthracene (SIM)	14000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
5. Benzo(a)pyrene (SIM)	14000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
6. Benzo(b)fluoranthene (SIM)	19000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
7. Benzo(ghi)perylene (SIM)	7700		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
8. Benzo(k)fluoranthene (SIM)	5900		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
9. Chrysene (SIM)	13000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
10. Dibenzo(a,h)anthracene (SIM)	3200		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
11. Fluoranthene (SIM)	42000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
12. Fluorene (SIM)	3800		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
13. Indeno(1,2,3-cd)pyrene (SIM)	7000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
14. 2-Methylnaphthalene (SIM)	750		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
15. Naphthalene (SIM)	1900		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
16. Phenanthrene (SIM)	31000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
17. Pyrene (SIM)	31000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-016

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Date: 11/03/09

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	B-9 (4-6)	Chain of Custody:	56047
Client Project Name:	DCCB	Sample No.:	16	Collect Date:	10/21/09
Client Project No.:	6278F-2-20	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-016A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	22		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-016A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	3800		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	120000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	700		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	25000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	17000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	57000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	360		µg/kg	200	500	10/27/09	PT09J27E	10/28/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	92000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-016A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-016A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A
2. Aroclor-1221	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A
3. Aroclor-1232	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A
4. Aroclor-1242	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A
5. Aroclor-1248	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A
6. Aroclor-1254	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A
7. Aroclor-1260	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A
8. Aroclor-1262 (NN)	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A
9. Aroclor-1268 (NN)	U		µg/kg	420	1	10/27/09	PS09J27A	10/28/09	SA09J27A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-016			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-016

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-9 (4-6)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **16** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-016		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	320	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	64	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-016

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-9 (4-6)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **16** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-016		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-016A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
2. Acenaphthylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
3. Anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
4. Benzo(a)anthracene (SIM)	780		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
5. Benzo(a)pyrene (SIM)	760		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
6. Benzo(b)fluoranthene (SIM)	960		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
7. Benzo(ghi)perylene (SIM)	500		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
8. Benzo(k)fluoranthene (SIM)	410		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
9. Chrysene (SIM)	680		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
11. Fluoranthene (SIM)	2000		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
12. Fluorene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
13. Indeno(1,2,3-cd)pyrene (SIM)	410		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
15. Naphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
16. Phenanthrene (SIM)	1200		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A
17. Pyrene (SIM)	1500		µg/kg	330	40	10/27/09	PS09J27A	10/27/09	S509J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-017

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-10 (2-4)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **17** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-017A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	6.4		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-017A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	1100		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	8900	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	U		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	5200		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	1800		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	2100		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	U		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	7200		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-017A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-017A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A
2. Aroclor-1221	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A
3. Aroclor-1232	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A
4. Aroclor-1242	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A
5. Aroclor-1248	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A
6. Aroclor-1254	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A
7. Aroclor-1260	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A
8. Aroclor-1262 (NN)	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A
9. Aroclor-1268 (NN)	U		µg/kg	350	1	10/27/09	PS09J27A	10/28/09	SA09J28A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-017			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-017

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-10 (2-4)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **17** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-017		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	270	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	53	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	450		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-017

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **B-10 (2-4)** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **17** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-017		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 36434-017A		Matrix: Soil/Solid		Analyst: HLS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
2. Acenaphthylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
3. Anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
4. Benzo(a)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
5. Benzo(a)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
6. Benzo(b)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
7. Benzo(ghi)perylene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
8. Benzo(k)fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
9. Chrysene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
11. Fluoranthene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
12. Fluorene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
14. 2-Methylnaphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
15. Naphthalene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
16. Phenanthrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A
17. Pyrene	U		µg/kg	330	1	10/27/09	PS09J27A	10/27/09	S609J27A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-018

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **TRIP BLANK** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **18** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-018		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
2. Acrylonitrile	U		µg/L	2.0	1	10/26/09	V909J26B	10/26/09	V909J26B
3. Benzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
4. Bromobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
5. Bromochloromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
6. Bromodichloromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
7. Bromoform	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
8. Bromomethane	U		µg/L	5.6	1	10/26/09	V909J26B	10/26/09	V909J26B
9. 2-Butanone	U		µg/L	25	1	10/26/09	V909J26B	10/26/09	V909J26B
10. n-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
11. sec-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
12. tert-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
13. Carbon Disulfide	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
14. Carbon Tetrachloride	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
15. Chlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
16. Chloroethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
17. Chloroform	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
18. Chloromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
19. 2-Chlorotoluene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
20. Dibromochloromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
22. Dibromomethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
26. Dichlorodifluoromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
27. 1,1-Dichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
28. 1,2-Dichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
29. 1,1-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
32. 1,2-Dichloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
35. Ethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
36. Ethylene Dibromide	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
37. 2-Hexanone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
38. Isopropylbenzene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
39. Methyl Iodide	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
40. Methylene Chloride	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-018

Order: 36434
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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **TRIP BLANK** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **18** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-018		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
42. 4-Methyl-2-pentanone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
43. MTBE	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
44. Naphthalene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
45. n-Propylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
46. Styrene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
49. Tetrachloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
50. Toluene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
54. Trichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
55. Trichlorofluoromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
60. Vinyl Chloride	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
61. Xylenes	U		µg/L	3.0	1	10/26/09	V909J26B	10/26/09	V909J26B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-019

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **METHANOL BLANK** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **19** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-019		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-019

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **METHANOL BLANK** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **19** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-019		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-020

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **FIELD BLANK #1** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **20** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Michigan 10 Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 36434-020A		Matrix: Ground Water		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
2. Barium	U		µg/L	100	10	10/26/09	PT09J26C	10/27/09	PT09J26C
3. Cadmium	U		µg/L	1.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
4. Chromium	U		µg/L	10	10	10/26/09	PT09J26C	10/27/09	PT09J26C
5. Copper	U		µg/L	4.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
6. Lead	U		µg/L	3.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
7. Selenium	U		µg/L	5.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
8. Silver	U		µg/L	0.20	10	10/26/09	PT09J26C	10/27/09	PT09J26C
9. Zinc	U		µg/L	50	10	10/26/09	PT09J26C	10/27/09	PT09J26C

Mercury by CVAAS, Total (EPA 7470A)				Aliquot ID: 36434-020A		Matrix: Ground Water		Analyst: MAP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1	10/26/09	PM09J26A	10/26/09	PM09J26A

Polychlorinated Biphenyls (PCBs) (EPA 3535/EPA 8082)				Aliquot ID: 36434-020B		Matrix: Ground Water		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
2. Aroclor-1221	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
3. Aroclor-1232	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
4. Aroclor-1242	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
5. Aroclor-1248	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
6. Aroclor-1254	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
7. Aroclor-1260	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
8. Aroclor-1262 (NN)	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
9. Aroclor-1268 (NN)	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-020		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
2. Acrylonitrile	U		µg/L	2.0	1	10/26/09	V909J26B	10/26/09	V909J26B
3. Benzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
4. Bromobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
5. Bromochloromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
6. Bromodichloromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
7. Bromoform	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
8. Bromomethane	U		µg/L	6.6	1	10/26/09	V909J26B	10/26/09	V909J26B
9. 2-Butanone	U		µg/L	25	1	10/26/09	V909J26B	10/26/09	V909J26B
10. n-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-020

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **FIELD BLANK #1** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **20** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-020		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
11. sec-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
12. tert-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
13. Carbon Disulfide	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
14. Carbon Tetrachloride	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
15. Chlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
16. Chloroethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
17. Chloroform	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
18. Chloromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
19. 2-Chlorotoluene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
20. Dibromochloromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
22. Dibromomethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
26. Dichlorodifluoromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
27. 1,1-Dichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
28. 1,2-Dichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
29. 1,1-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
32. 1,2-Dichloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
35. Ethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
36. Ethylene Dibromide	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
37. 2-Hexanone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
38. Isopropylbenzene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
39. Methyl Iodide	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
40. Methylene Chloride	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
42. 4-Methyl-2-pentanone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
43. MTBE	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
44. Naphthalene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
45. n-Propylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
46. Styrene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
49. Tetrachloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
50. Toluene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-020

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **FIELD BLANK #1** Chain of Custody: **56047**
Client Project Name: **DCCB** Sample No: **20** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-020		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
54. Trichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
55. Trichlorofluoromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
60. Vinyl Chloride	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
61. Xylenes	U		µg/L	3.0	1	10/26/09	V909J26B	10/26/09	V909J26B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Aliquot ID: 36434-020B		Matrix: Ground Water		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/27/09	S309J27C
2. Acenaphthylene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/27/09	S309J27C
3. Anthracene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/27/09	S309J27C
4. Benzo(a)anthracene	U		µg/L	1.1	1	10/27/09	PS09J27F	10/27/09	S309J27C
5. Benzo(a)pyrene	U		µg/L	1.1	1	10/27/09	PS09J27F	10/27/09	S309J27C
6. Benzo(b)fluoranthene	U		µg/L	1.1	1	10/27/09	PS09J27F	10/27/09	S309J27C
7. Benzo(ghi)perylene	U		µg/L	1.1	1	10/27/09	PS09J27F	10/27/09	S309J27C
8. Benzo(k)fluoranthene	U		µg/L	1.1	1	10/27/09	PS09J27F	10/27/09	S309J27C
9. Chrysene	U		µg/L	1.1	1	10/27/09	PS09J27F	10/27/09	S309J27C
10. Dibenzo(a,h)anthracene	U		µg/L	2.2	1	10/27/09	PS09J27F	10/27/09	S309J27C
11. Fluoranthene	U		µg/L	1.1	1	10/27/09	PS09J27F	10/27/09	S309J27C
12. Fluorene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/27/09	S309J27C
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.2	1	10/27/09	PS09J27F	10/27/09	S309J27C
14. 2-Methylnaphthalene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/27/09	S309J27C
15. Naphthalene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/27/09	S309J27C
16. Phenanthrene	U		µg/L	2.0	1	10/27/09	PS09J27F	10/27/09	S309J27C
17. Pyrene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/27/09	S309J27C

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-021

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **SOIL DUPLICATE # 1** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **21** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-021A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	19		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-021A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	4700		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	81000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	270		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	14000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	19000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	18000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	520		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	49000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-021A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-021A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A
2. Aroclor-1221	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A
3. Aroclor-1232	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A
4. Aroclor-1242	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A
5. Aroclor-1248	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A
6. Aroclor-1254	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A
7. Aroclor-1260	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A
8. Aroclor-1262 (NN)	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A
9. Aroclor-1268 (NN)	U		µg/kg	410	1	10/27/09	PS09J27A	10/28/09	SA09J28A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-021			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	5900		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-021

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **SOIL DUPLICATE # 1** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **21** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-021		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	840		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	11000		µg/kg	1500	1	10/28/09	VA09J28A	10/28/09	VA09J28A
12. tert-Butylbenzene	880		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	310	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	62	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	740		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	8100		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	1900		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	130000		µg/kg	3100	1	10/28/09	VA09J28A	10/28/09	VA09J28A
45. n-Propylbenzene	340		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-021

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **SOIL DUPLICATE # 1** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **21** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-021		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	2300		µg/kg	250	1	10/28/09	V309J28A	10/28/09	V309J28A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	9200		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	24000		µg/kg	1500	1	10/28/09	VA09J28A	10/28/09	VA09J28A
59. 1,3,5-Trimethylbenzene	8600		µg/kg	1500	1	10/28/09	VA09J28A	10/28/09	VA09J28A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	22000		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-021A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	470		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
2. Acenaphthylene (SIM)	1000		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
3. Anthracene (SIM)	4100		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
4. Benzo(a)anthracene (SIM)	780		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
5. Benzo(a)pyrene (SIM)	710		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
6. Benzo(b)fluoranthene (SIM)	970		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
7. Benzo(ghi)perylene (SIM)	490		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
8. Benzo(k)fluoranthene (SIM)	350		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
9. Chrysene (SIM)	700		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
10. Dibenzo(a,h)anthracene (SIM)	960		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
11. Fluoranthene (SIM)	2000		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
12. Fluorene (SIM)	1000		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
13. Indeno(1,2,3-cd)pyrene (SIM)	460		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
14. 2-Methylnaphthalene (SIM)	4600		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
15. Naphthalene (SIM)	250000		µg/kg	820	200	10/27/09	PS09J27A	10/29/09	S509J29A
16. Phenanthrene (SIM)	2800		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
17. Pyrene (SIM)	1500		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-022

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **SOIL DUPLICATE #2** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **22** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 36434-022A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	23		%	0.1	1	10/26/09	MC091026	10/27/09	MC091026

Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 36434-022A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	3000		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
2. Barium	160000	J	µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
3. Cadmium	330		µg/kg	50	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
4. Chromium	15000		µg/kg	500	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
5. Copper	12000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
6. Lead	27000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
7. Selenium	340		µg/kg	200	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
8. Silver	U		µg/kg	100	1000	10/27/09	PT09J27E	10/27/09	PT09J27E
9. Zinc	58000		µg/kg	1000	1000	10/27/09	PT09J27E	10/27/09	PT09J27E

Mercury by CVAAS (EPA 7471A)				Aliquot ID: 36434-022A			Matrix: Soil/Solid		Analyst: MAP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	10/27/09	PM09J27B	10/27/09	PM09J27B

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)				Aliquot ID: 36434-022A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
2. Aroclor-1221	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
3. Aroclor-1232	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
4. Aroclor-1242	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
5. Aroclor-1248	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
6. Aroclor-1254	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
7. Aroclor-1260	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
8. Aroclor-1262 (NN)	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A
9. Aroclor-1268 (NN)	U		µg/kg	430	1	10/27/09	PS09J27A	10/28/09	SA09J28A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-022			Matrix: Soil/Solid		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1	10/26/09	VA09J26A	10/26/09	VA09J26A
2. Acrylonitrile	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
3. Benzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
4. Bromobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
5. Bromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-022

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **SOIL DUPLICATE #2** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **22** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-022		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
6. Bromodichloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
7. Bromoform	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
8. Bromomethane	U		µg/kg	200	1	10/26/09	VA09J26A	10/26/09	VA09J26A
9. 2-Butanone	U		µg/kg	750	1	10/26/09	VA09J26A	10/26/09	VA09J26A
10. n-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
11. sec-Butylbenzene	U		µg/kg	50	1	10/28/09	VA09J28A	10/28/09	VA09J28A
12. tert-Butylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
13. Carbon Disulfide	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
14. Carbon Tetrachloride	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
15. Chlorobenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
16. Chloroethane	U		µg/kg	320	1	10/26/09	VA09J26A	10/26/09	VA09J26A
17. Chloroform	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
18. Chloromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
19. 2-Chlorotoluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
20. Dibromochloromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1	10/26/09	VA09J26A	10/26/09	VA09J26A
22. Dibromomethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
26. Dichlorodifluoromethane	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
27. 1,1-Dichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
28. 1,2-Dichloroethane	U		µg/kg	65	1	10/26/09	VA09J26A	10/26/09	VA09J26A
29. 1,1-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
32. 1,2-Dichloropropane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
35. Ethylbenzene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
36. Ethylene Dibromide	U		µg/kg	20	1	10/26/09	VA09J26A	10/26/09	VA09J26A
37. 2-Hexanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
38. Isopropylbenzene	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
39. Methyl Iodide	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
40. Methylene Chloride	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1	10/28/09	VA09J28A	10/28/09	VA09J28A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1	10/26/09	VA09J26A	10/26/09	VA09J26A
43. MTBE	U		µg/kg	250	1	10/26/09	VA09J26A	10/26/09	VA09J26A
44. Naphthalene	U		µg/kg	330	1	10/28/09	VA09J28A	10/28/09	VA09J28A
45. n-Propylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-022

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **SOIL DUPLICATE #2** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **22** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 36434-022		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
46. Styrene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
49. Tetrachloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
50. Toluene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1	10/26/09	VA09J26A	10/26/09	VA09J26A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
54. Trichloroethene	U		µg/kg	50	1	10/26/09	VA09J26A	10/26/09	VA09J26A
55. Trichlorofluoromethane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1	10/26/09	VA09J26A	10/26/09	VA09J26A
60. Vinyl Chloride	U		µg/kg	40	1	10/26/09	VA09J26A	10/26/09	VA09J26A
61. Xylenes	U		µg/kg	150	1	10/26/09	VA09J26A	10/26/09	VA09J26A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C (SIM))				Aliquot ID: 36434-022A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	600		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
2. Acenaphthylene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
3. Anthracene (SIM)	780		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
4. Benzo(a)anthracene (SIM)	1600		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
5. Benzo(a)pyrene (SIM)	1500		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
6. Benzo(b)fluoranthene (SIM)	1800		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
7. Benzo(ghi)perylene (SIM)	930		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
8. Benzo(k)fluoranthene (SIM)	740		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
9. Chrysene (SIM)	1400		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
11. Fluoranthene (SIM)	4300		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
12. Fluorene (SIM)	440		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
13. Indeno(1,2,3-cd)pyrene (SIM)	780		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
15. Naphthalene (SIM)	380		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
16. Phenanthrene (SIM)	3100		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B
17. Pyrene (SIM)	3000		µg/kg	330	40	10/27/09	PS09J27A	10/28/09	S509J28B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-023

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **Equipment Blank #1** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **23** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Michigan 10 Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 36434-023A		Matrix: Ground Water		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
2. Barium	U		µg/L	100	10	10/26/09	PT09J26C	10/27/09	PT09J26C
3. Cadmium	U		µg/L	1.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
4. Chromium	U		µg/L	10	10	10/26/09	PT09J26C	10/27/09	PT09J26C
5. Copper	U		µg/L	4.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
6. Lead	U		µg/L	3.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
7. Selenium	U		µg/L	5.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
8. Silver	U		µg/L	0.20	10	10/26/09	PT09J26C	10/27/09	PT09J26C
9. Zinc	U		µg/L	50	10	10/26/09	PT09J26C	10/27/09	PT09J26C

Mercury by CVAAS, Total (EPA 7470A)				Aliquot ID: 36434-023A		Matrix: Ground Water		Analyst: MAP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1	10/26/09	PM09J26A	10/26/09	PM09J26A

Polychlorinated Biphenyls (PCBs) (EPA 3535/EPA 8082)				Aliquot ID: 36434-023B		Matrix: Ground Water		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
2. Aroclor-1221	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
3. Aroclor-1232	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
4. Aroclor-1242	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
5. Aroclor-1248	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
6. Aroclor-1254	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
7. Aroclor-1260	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
8. Aroclor-1262 (NN)	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
9. Aroclor-1268 (NN)	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-023		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
2. Acrylonitrile	U		µg/L	2.0	1	10/26/09	V909J26B	10/26/09	V909J26B
3. Benzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
4. Bromobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
5. Bromochloromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
6. Bromodichloromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
7. Bromoform	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
8. Bromomethane	U		µg/L	6.0	1	10/26/09	V909J26B	10/26/09	V909J26B
9. 2-Butanone	U		µg/L	25	1	10/26/09	V909J26B	10/26/09	V909J26B
10. n-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-023

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **Equipment Blank #1** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **23** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-023		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
11. sec-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
12. tert-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
13. Carbon Disulfide	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
14. Carbon Tetrachloride	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
15. Chlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
16. Chloroethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
17. Chloroform	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
18. Chloromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
19. 2-Chlorotoluene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
20. Dibromochloromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
22. Dibromomethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
26. Dichlorodifluoromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
27. 1,1-Dichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
28. 1,2-Dichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
29. 1,1-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
32. 1,2-Dichloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
35. Ethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
36. Ethylene Dibromide	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
37. 2-Hexanone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
38. Isopropylbenzene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
39. Methyl Iodide	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
40. Methylene Chloride	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
42. 4-Methyl-2-pentanone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
43. MTBE	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
44. Naphthalene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
45. n-Propylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
46. Styrene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
49. Tetrachloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
50. Toluene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-023

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **Equipment Blank #1** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **23** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-023		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
54. Trichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
55. Trichlorofluoromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
60. Vinyl Chloride	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
61. Xylenes	U		µg/L	3.0	1	10/26/09	V909J26B	10/26/09	V909J26B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Aliquot ID: 36434-023B		Matrix: Ground Water		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
2. Acenaphthylene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
3. Anthracene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
4. Benzo(a)anthracene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
5. Benzo(a)pyrene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
6. Benzo(b)fluoranthene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
7. Benzo(ghi)perylene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
8. Benzo(k)fluoranthene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
9. Chrysene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
11. Fluoranthene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
12. Fluorene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
14. 2-Methylnaphthalene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
15. Naphthalene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
16. Phenanthrene	U		µg/L	2.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
17. Pyrene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-024

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **Equipment Blank #2** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **24** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Michigan 10 Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 36434-024A		Matrix: Ground Water		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
2. Barium	U		µg/L	100	10	10/26/09	PT09J26C	10/27/09	PT09J26C
3. Cadmium	U		µg/L	1.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
4. Chromium	U		µg/L	10	10	10/26/09	PT09J26C	10/27/09	PT09J26C
5. Copper	4.2		µg/L	4.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
6. Lead	U		µg/L	3.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
7. Selenium	U		µg/L	5.0	10	10/26/09	PT09J26C	10/27/09	PT09J26C
8. Silver	U		µg/L	0.20	10	10/26/09	PT09J26C	10/27/09	PT09J26C
9. Zinc	U		µg/L	50	10	10/26/09	PT09J26C	10/27/09	PT09J26C

Mercury by CVAAS, Total (EPA 7470A)				Aliquot ID: 36434-024A		Matrix: Ground Water		Analyst: MAP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1	10/26/09	PM09J26A	10/26/09	PM09J26A

Polychlorinated Biphenyls (PCBs) (EPA 3535/EPA 8082)				Aliquot ID: 36434-024B		Matrix: Ground Water		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
2. Aroclor-1221	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
3. Aroclor-1232	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
4. Aroclor-1242	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
5. Aroclor-1248	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
6. Aroclor-1254	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
7. Aroclor-1260	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
8. Aroclor-1262 (NN)	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A
9. Aroclor-1268 (NN)	U		µg/L	0.20	1	10/27/09	PS09J27C	10/28/09	SB09J28A

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-024		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
2. Acrylonitrile	U		µg/L	2.0	1	10/26/09	V909J26B	10/26/09	V909J26B
3. Benzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
4. Bromobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
5. Bromochloromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
6. Bromodichloromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
7. Bromoform	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
8. Bromomethane	U		µg/L	5.7	1	10/26/09	V909J26B	10/26/09	V909J26B
9. 2-Butanone	U		µg/L	25	1	10/26/09	V909J26B	10/26/09	V909J26B
10. n-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-024

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Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **Equipment Blank #2** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **24** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-024		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
11. sec-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
12. tert-Butylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
13. Carbon Disulfide	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
14. Carbon Tetrachloride	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
15. Chlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
16. Chloroethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
17. Chloroform	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
18. Chloromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
19. 2-Chlorotoluene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
20. Dibromochloromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
22. Dibromomethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
26. Dichlorodifluoromethane	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
27. 1,1-Dichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
28. 1,2-Dichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
29. 1,1-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
32. 1,2-Dichloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
35. Ethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
36. Ethylene Dibromide	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
37. 2-Hexanone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
38. Isopropylbenzene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
39. Methyl Iodide	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
40. Methylene Chloride	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
42. 4-Methyl-2-pentanone	U		µg/L	50	1	10/26/09	V909J26B	10/26/09	V909J26B
43. MTBE	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
44. Naphthalene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
45. n-Propylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
46. Styrene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
49. Tetrachloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
50. Toluene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B

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Analytical Laboratory Report
Laboratory Project Number: 36434
Laboratory Sample Number: 36434-024

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Date: 11/03/09

Client Identification: **AKT Peerless Environ. Svcs, Inc. - Farm. Hills** Sample Description: **Equipment Blank #2** Chain of Custody: **56048**
Client Project Name: **DCCB** Sample No: **24** Collect Date: **10/21/09**
Client Project No: **6278F-2-20** Sample Matrix: **Ground Water** Collect Time: **NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 36434-024		Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1	10/26/09	V909J26B	10/26/09	V909J26B
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
54. Trichloroethene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
55. Trichlorofluoromethane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
60. Vinyl Chloride	U		µg/L	1.0	1	10/26/09	V909J26B	10/26/09	V909J26B
61. Xylenes	U		µg/L	3.0	1	10/26/09	V909J26B	10/26/09	V909J26B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Aliquot ID: 36434-024B		Matrix: Ground Water		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
2. Acenaphthylene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
3. Anthracene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
4. Benzo(a)anthracene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
5. Benzo(a)pyrene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
6. Benzo(b)fluoranthene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
7. Benzo(ghi)perylene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
8. Benzo(k)fluoranthene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
9. Chrysene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
11. Fluoranthene	U		µg/L	1.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
12. Fluorene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
14. 2-Methylnaphthalene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
15. Naphthalene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
16. Phenanthrene	U		µg/L	2.0	1	10/27/09	PS09J27F	10/28/09	S309J27C
17. Pyrene	U		µg/L	5.0	1	10/27/09	PS09J27F	10/28/09	S309J27C

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Analytical Laboratory Report
Laboratory Project Number: 36434

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Date: 11/03/09

Definitions/ Qualifiers:

- A: Spike recovery or precision unusable due to dilution.
- B: The analyte was detected in the associated method blank.
- E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J: The concentration is an estimated value.
- U: The analyte was not detected at or above the reporting limit.
- X: Matrix Interference has resulted in a raised reporting limit or distorted result.
- W: Results reported on a wet-weight basis.
- *: Value reported is outside QA limits

Exception Summary:

Method:	EPA 6020
Sample Number:	36434-001A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-002A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-003A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-004A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-005A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-006A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-007A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-008A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-011A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-012A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-013A

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Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-014A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-015A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-016A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-017A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-021A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Sample Number:	36434-022A
Parameter:	Barium
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Method:	EPA 8260B
Sample Number:	36434-004
Parameter:	Toluene
Exception:	Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.



Accreditation Number:

100312

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 Fax: 248 446 5701

Chain of Custody #

54037
 PAGE 1 of 3

Client Name: AKT PEELNESS		Project Name/ Number: DCCBC/6278F-2-20	
Contact Person: JEREMY FOX		Purchase Order #	
Lab Sample #	Date	Time	Client Sample #
	10/21/09		B-1 (1-2)
			B-2 (1-2)
			B-3 (2-4)
			B-4 (2-4)
			B-4 (6-8)
			B-5 (2-4)
			B-5 (6-8)
			B-6 (2-4)
			B-6 (2-4) MS
			B-6 (2-4) MSD

MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	DATE/TIME	RECEIVED BY
VOCs	2	10/22/09 5:30	[Signature]
PAHs	2	10/22/09 5:30	[Signature]
MT METALS	2	10/22/09 5:30	[Signature]
PCBS	2	10/22/09 5:30	[Signature]
Other: Specify			
Turnaround	24 hour RUSH (surcharge applies)		
	48 hour RUSH (surcharge applies)		
	72 hour RUSH (surcharge applies)		
	Standard (5-7 bus. days)		
Matrix Code			
S Soil			
W Water			
A Air			
O Oil			
P Wipe			
X Other: Specify			

Received By: [Signature] 10/22/09 9:35
 Received By: [Signature]
 Received By: [Signature]
 RECEIVED BY: [Signature]
 204434
 COC Revision: October, 2003



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Chain of Custody #
56048
 PAGE 3 of 3

Client Name: AKT PEERLESS		MATRIX (SEE RIGHT CORNER FOR CODE)		PARAMETERS		Turnaround		Matrix Code	
Contact Person: JEREMY FOX		# OF CONTAINERS		PCBS		24 hour RUSH (surcharge applies)		S Soil	
Project Name/ Number: DCCBC / 627BF-2-20		PRESERVED (Y/N)		MI METALS		48 hour RUSH (surcharge applies)		W Water	
Purchase Order#				PNS		72 hour RUSH (surcharge applies)		A Air	
Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	VOCS	Standard (5-7 bus. days)	Other: Specify	O Oil	
	10/2/09	10/4/09	-	SOIL DUPLICATE #1	X			P Wipe	
			-	SOIL DUPLICATE #2	X			X Other: Specify	
			-	EQUIPMENT BLANK #1	X			Remarks:	
			-	EQUIPMENT BLANK #2	X			PLEASE ANALYZE	
								AS INDICATED	

Comments:

Relinquished By: *[Signature]* Date/Time: **10/22/09 9:35**

Relinquished By: *[Signature]* Date/Time: **10/22/09 5:30**

Relinquished By: *[Signature]* Date/Time: _____

LAB USE ONLY:

Fibertec project number: _____

Laboratory Tracking: **3003**

Temperature at Receipt: _____

Received By Laboratory: *[Signature]*

COC Revision: October, 2003

TERMS & CONDITIONS ON BACK

PROVIDE
 COC
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